

Guido Pagano

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

3,870
citations

361413

20
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

3553
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a discrete time crystal. <i>Nature</i> , 2017, 543, 217-220.	27.8	764
2	Observation of a many-body dynamical phase transition with a 53-qubit quantum simulator. <i>Nature</i> , 2017, 551, 601-604.	27.8	735
3	Observation of chiral edge states with neutral fermions in synthetic Hall ribbons. <i>Science</i> , 2015, 349, 1510-1513.	12.6	551
4	A one-dimensional liquid of fermions with tunable spin. <i>Nature Physics</i> , 2014, 10, 198-201.	16.7	323
5	Programmable quantum simulations of spin systems with trapped ions. <i>Reviews of Modern Physics</i> , 2021, 93, .	45.6	316
6	Direct Observation of Coherent Interorbital Spin-Exchange Dynamics. <i>Physical Review Letters</i> , 2014, 113, 120402.	7.8	141
7	Quantum approximate optimization of the long-range Ising model with a trapped-ion quantum simulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25396-25401.	7.1	122
8	Strongly Interacting Gas of Two-Electron Fermions at an Orbital Feshbach Resonance. <i>Physical Review Letters</i> , 2015, 115, 265301.	7.8	117
9	Observation of a prethermal discrete time crystal. <i>Science</i> , 2021, 372, 1192-1196.	12.6	93
10	Confined Quasiparticle Dynamics in Long-Range Interacting Quantum Spin Chains. <i>Physical Review Letters</i> , 2019, 122, 150601.	7.8	90
11	Cryogenic trapped-ion system for large scale quantum simulation. <i>Quantum Science and Technology</i> , 2019, 4, 014004.	5.8	90
12	Towards analog quantum simulations of lattice gauge theories with trapped ions. <i>Physical Review Research</i> , 2020, 2, .	3.6	78
13	Observation of Stark many-body localization without disorder. <i>Nature</i> , 2021, 599, 393-398.	27.8	69
14	Domain-wall confinement and dynamics in a quantum simulator. <i>Nature Physics</i> , 2021, 17, 742-747.	16.7	56
15	Dissipative Floquet Dynamics: from Steady State to Measurement Induced Criticality in Trapped-ion Chains. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 6, 638.	0.0	48
16	Toward simulating quantum field theories with controlled phonon-ion dynamics: A hybrid analog-digital approach. <i>Physical Review Research</i> , 2021, 3, .	3.6	42
17	Heisenberg-scaling measurement protocol for analytic functions with quantum sensor networks. <i>Physical Review A</i> , 2019, 100, .	2.5	39
18	Efficient Ground-State Cooling of Large Trapped-Ion Chains with an Electromagnetically-Induced-Transparency Tripod Scheme. <i>Physical Review Letters</i> , 2020, 125, 053001.	7.8	36

#	ARTICLE	IF	CITATIONS
19	Measuring absolute frequencies beyond the GPS limit via long-haul optical frequency dissemination. Optics Express, 2016, 24, 11865.	3.4	30
20	Non-thermalization in trapped atomic ion spin chains. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20170107.	3.4	29
21	Many-Body Dephasing in a Trapped-Ion Quantum Simulator. Physical Review Letters, 2020, 125, 120605.	7.8	23
22	Fast and Scalable Quantum Information Processing with Two-Electron Atoms in Optical Tweezer Arrays. Advanced Quantum Technologies, 2019, 2, 1800067.	3.9	18
23	Engineering an effective three-spin Hamiltonian in trapped-ion systems for applications in quantum simulation. Quantum Science and Technology, 2022, 7, 034001.	5.8	18
24	A compact ultranarrow high-power laser system for experiments with 578 nm ytterbium clock transition. Review of Scientific Instruments, 2015, 86, 073111.	1.3	12
25	Bound state dynamics in the long-range spin- $\frac{1}{2}$ XXZ model. Physical Review B, 2021, 104, .		
26	Chiral spin currents in a trapped-ion quantum simulator using Floquet engineering. Physical Review A, 2018, 97, .	2.5	6
27	Quantum Computing and Simulation with Trapped Atomic Ions. , 2019, , .		0