

Guin-Dar Lin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3469884/publications.pdf>

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15
papers

1,074
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

1315
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum simulation of frustrated Ising spins with trapped ions. <i>Nature</i> , 2010, 465, 590-593.	27.8	642
2	Large-scale quantum computation in an anharmonic linear ion trap. <i>Europhysics Letters</i> , 2009, 86, 60004.	2.0	121
3	Quantum simulation of the transverse Ising model with trapped ions. <i>New Journal of Physics</i> , 2011, 13, 105003.	2.9	92
4	Large Collective Lamb Shift of Two Distant Superconducting Artificial Atoms. <i>Physical Review Letters</i> , 2019, 123, 233602.	7.8	53
5	Sharp Phase Transitions in a Small Frustrated Network of Trapped Ion Spins. <i>Physical Review Letters</i> , 2011, 106, 230402.	7.8	38
6	Quantum interference between independent reservoirs in open quantum systems. <i>Physical Review A</i> , 2014, 89, .	2.5	35
7	Temperature-Driven Structural Phase Transition for Trapped Ions and a Proposal for its Experimental Detection. <i>Physical Review Letters</i> , 2010, 105, 265703.	7.8	25
8	Single-nitrogen-vacancy-center quantum memory for a superconducting flux qubit mediated by a ferromagnet. <i>Physical Review A</i> , 2018, 97, .	2.5	22
9	Sympathetic cooling in a large ion crystal. <i>Quantum Information Processing</i> , 2016, 15, 5299-5313.	2.2	13
10	Scalable quantum computing stabilised by optical tweezers on an ion crystal. <i>New Journal of Physics</i> , 2020, 22, 053032.	2.9	13
11	Superradiance: An Integrated Approach to Cooperative Effects in Various Systems. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2012, 61, 295-329.	2.3	9
12	Vibrational spectroscopy of polar molecules with superradiance. <i>Molecular Physics</i> , 2013, 111, 1917-1922.	1.7	5
13	Scalable collective Lamb shift of a 1D superconducting qubit array in front of a mirror. <i>Scientific Reports</i> , 2019, 9, 19175.	3.3	4
14	Spectrally entangled biphoton state of cascade emissions from a Doppler-broadened atomic ensemble. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 135501.	1.5	1
15	Spectral shaping of the biphoton state from multiplexed thermal atomic ensembles. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 085403.	1.5	1