L-L Yan

List of Publications by Year
in descending order

19 papers	**233** citations	1163117 **8** h-index	996975 **15** g-index
19 all docs	**19** docs citations	**19** times ranked	**112** citing authors

#	Article	IF	Citations
1	Multiple-qubit Rydberg quantum logic gate via dressed-state scheme. Optics Communications, 2022, 505, 127500.	2.1	4
2	Parallel-path implementation of nonadiabatic geometric quantum gates in a decoherence-free subspace with nitrogen-vacancy centers. Physical Review A, 2022, 105, .	2.5	5
3	Multiple-qubit nonadiabatic noncyclic geometric quantum computation in Rydberg atoms. Europhysics Letters, 2022, 137, 55001.	2.0	3
4	Experimental Verification of Dissipation-Time Uncertainty Relation. Physical Review Letters, 2022, 128, 050603.	7.8	18
5	Fast multiqubit Rydberg geometric fan-out gates with optimal control technology. Physical Review A, 2022, 105, .	2.5	4
6	Rapid ground-state cooling of a solid-state nanoparticle assisted by a magnetic-field gradient. Physical Review A, 2022, 105, .	2.5	1
7	One-step implementation of Rydberg nonadiabatic noncyclic geometric quantum computation in decoherence-free subspaces. Physical Review A, 2022, 105, .	2.5	4
8	Verification of Information Thermodynamics in a Trapped Ion System. Entropy, 2022, 24, 813.	2.2	2
9	Distributed geometric quantum computation based on the optimized-control-technique in a cavity-atom system via exchanging virtual photons. Optics Express, 2021, 29, 8737.	3.4	9
10	Multiple-qubit controlled unitary quantum gate for Rydberg atoms using shortcut to adiabaticity and optimized geometric quantum operations. Physical Review A, 2021, 103, .	2.5	21
11	Single-Atom Verification of the Noise-Resilient and Fast Characteristics of Universal Nonadiabatic Noncyclic Geometric Quantum Gates. Physical Review Letters, 2021, 127, 030502.	7.8	17
12	One-Step Implementation of Time-Optimal-Control Three-Qubit Nonadiabatic Holonomic Controlled Gates in Rydberg Atoms. Physical Review Applied, 2021, 16, .	3.8	17
13	Optimized geometric quantum computation with a mesoscopic ensemble of Rydberg atoms. Physical Review A, 2020, 102, .	2.5	39
14	Structural phase transition of the ion crystals embedded in an optical lattice. Physical Review A, 2020, 102, .	2.5	7
15	Nondestructive Rydberg parity meter and its applications. Physical Review A, 2020, 101, .	2.5	49
16	Complete and nondestructive distinguishment of many-body Rydberg entanglement via robust geometric quantum operations. Physical Review A, 2020, 102, .	2.5	15
17	Single-atom verification of the information-theoretical bound of irreversibility at the quantum level. Physical Review Research, 2020, 2, .	3.6	10
18	Experimental investigation of joint measurement uncertainty relations for three incompatible observables at a single-spin level. Optics Express, 2020, 28, 25949.	3.4	1

#	Article	IF	Citations
19	Analytical investigation of one-dimensional Doppler cooling of trapped ions with Λ -type configuration. Physical Review A, 2019, 100, .	2.5	7