

Qingze Guan

List of Publications by Year in descending order

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papers

170
citations

1040056

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19
all docs

19
docs citations

19
times ranked

154
citing authors

#	ARTICLE	IF	CITATIONS
1	Density Oscillations Induced by Individual Ultracold Two-Body Collisions. Physical Review Letters, 2019, 122, 083401.	7.8	19
2	Spin structure of harmonically trapped one-dimensional atoms with spin-orbit coupling. Physical Review A, 2015, 92, .	2.5	16
3	Scattering framework for two particles with isotropic spin-orbit coupling applicable to all energies. Physical Review A, 2016, 94, .	2.5	14
4	Ultrafast manipulation of the weakly bound helium dimer. Nature Physics, 2021, 17, 174-178.	16.7	14
5	Energy spectrum of a harmonically trapped two-atom system with spin-orbit coupling. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 161001.	1.5	13
6	Analytical coupled-channel treatment of two-body scattering in the presence of three-dimensional isotropic spin-orbit coupling. Physical Review A, 2017, 95, .	2.5	11
7	Spinor Bose-Einstein condensate interferometer within the undepleted pump approximation: Role of the initial state. Physical Review A, 2019, 100, .	2.5	10
8	Nonexponential Tunneling due to Mean-Field-Induced Swallowtails. Physical Review Letters, 2020, 125, 213401.	7.8	10
9	Magic conditions for multiple rotational states of bialkali molecules in optical lattices. Physical Review A, 2021, 103, .	2.5	10
10	Mean-field spin-oscillation dynamics beyond the single-mode approximation for a harmonically trapped spin-1 Bose-Einstein condensate. Physical Review A, 2020, 102, .	2.5	9
11	Roaming pathways and survival probability in real-time collisional dynamics of cold and controlled bialkali molecules. Scientific Reports, 2021, 11, 10598.	3.3	8
12	Nondestructive dispersive imaging of rotationally excited ultracold molecules. Physical Chemistry Chemical Physics, 2020, 22, 20531-20544.	2.8	6
13	Rabi oscillations and Ramsey-type pulses in ultracold bosons: Role of interactions. Physical Review A, 2020, 101, .	2.5	6
14	Tailored generation of quantum states in an entangled spinor interferometer to overcome detection noise. Physical Review A, 2021, 104, .	2.5	6
15	Electric-field-induced helium-helium resonances. Physical Review A, 2019, 99, .	2.5	5
16	K -matrix formulation of two-particle scattering in a waveguide in the presence of one-dimensional spin-orbit coupling. Physical Review A, 2018, 98, .	2.5	4
17	Three-Boson Spectrum in the Presence of 1D Spin-Orbit Coupling: Efimov's Generalized Radial Scaling Law. Physical Review X, 2018, 8, .	8.9	4
18	Identifying and harnessing dynamical phase transitions for quantum-enhanced sensing. Physical Review Research, 2021, 3, .	3.6	4

#	ARTICLE	IF	CITATIONS
19	Energetics and structural properties of two- and three-boson systems in the presence of one-dimensional spin-orbit coupling. Physical Review A, 2019, 100, .	2.5	1