

Qingze Guan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9485498/publications.pdf>

Version: 2024-02-01

19
papers

170
citations

1040056

9
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

154
citing authors

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

#	ARTICLE	IF	CITATIONS
19	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