

Utkan GÃ¼ngÃ¼rdÃ¼

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4433654/publications.pdf>

Version: 2024-02-01

21
papers

290
citations

933447

10
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of skyrmion lattices and symmetries of quasi-two-dimensional chiral magnets. <i>Physical Review B</i> , 2016, 93, .	3.2	65
2	Dynamical invariants for quantum control of four-level systems. <i>Physical Review A</i> , 2012, 86, .	2.5	37
3	Magnetic skyrmion bubble motion driven by surface acoustic waves. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	36
4	Stabilization and control of Majorana bound states with elongated skyrmions. <i>Physical Review B</i> , 2018, 97, .	3.2	31
5	Pulse sequence designed for robust C -phase gates in SiMOS and Si/SiGe double quantum dots. <i>Physical Review B</i> , 2018, 98, .	3.2	17
6	Fast control of topological vortex formation in Bose-Einstein condensates by counterdiabatic driving. <i>Physical Review A</i> , 2016, 93, .	2.5	13
7	Analytically parametrized solutions for robust quantum control using smooth pulses. <i>Physical Review A</i> , 2019, 100, .	2.5	12
8	Minimal and robust composite two-qubit gates with Ising-type interaction. <i>Physical Review A</i> , 2013, 87, .	2.5	11
9	Non-Adiabatic Universal Holonomic Quantum Gates Based on Abelian Holonomies. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 034001.	1.6	11
10	Indications of a soft cutoff frequency in the charge noise of a Si/SiGe quantum dot spin qubit. <i>Physical Review B</i> , 2019, 99, .	3.2	11
11	Robust implementation of quantum gates despite always-on exchange coupling in silicon double quantum dots. <i>Physical Review B</i> , 2020, 101, .	3.2	9
12	Robust quantum gates using smooth pulses and physics-informed neural networks. <i>Physical Review Research</i> , 2022, 4, .	3.6	8
13	Magnetization pumping and dynamics in a Dzyaloshinskii-Moriya magnet. <i>Europhysics Letters</i> , 2015, 109, 67008.	2.0	7
14	Single-tone pulse sequences and robust two-tone shaped pulses for three silicon spin qubits with always-on exchange. <i>Physical Review B</i> , 2021, 103, .	3.2	7
15	Theory of magnon motive force in chiral ferromagnets. <i>Physical Review B</i> , 2016, 94, .	3.2	5
16	Robust photon-mediated entangling gates between quantum dot spin qubits. <i>Physical Review B</i> , 2021, 104, .	3.2	4
17	Two-qubit controlled-Z gates robust against charge noise in silicon while compensating for crosstalk using neural network. <i>Physical Review B</i> , 2022, 105, .	3.2	3
18	Recursive encoding and decoding of the noiseless subsystem for qudits. <i>Physical Review A</i> , 2014, 89, .	2.5	2

#	ARTICLE	IF	CITATIONS
19	Parafermion stabilizer codes. Physical Review A, 2014, 90, .	2.5	1
20	Simulated randomized benchmarking of a dynamically corrected cross-resonance gate. Physical Review A, 2020, 102, .	2.5	0
21	RECURSIVE CONSTRUCTION OF NOISELESS SUBSYSTEM FOR QUDITS. , 2014, , .		0