AndrÃ¡s PÃ¡lyi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10782724/publications.pdf

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29	682	623734	552781
papers	citations	14 h-index	26 g-index

29	29	29	851
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Topological charge distributions of an interacting two-spin system. Physical Review B, 2022, 105, .	3.2	0
2	Dephasing of Majorana qubits due to quasistatic disorder. Physical Review B, 2022, 105, .	3.2	2
3	From Cooper pair splitting to nonlocal spectroscopy of a Shiba state. Physical Review Research, 2022, 4, .	3.6	7
4	Charge Noise and Overdrive Errors in Dispersive Readout of Charge, Spin, and Majorana Qubits. Physical Review Applied, 2020, 14, .	3.8	18
5	Magnetic degeneracy points in interacting two-spin systems: Geometrical patterns, topological charge distributions, and their stability. Physical Review B, 2020, 101, .	3.2	5
6	Parity-to-charge conversion for readout of topological Majorana qubits. Physical Review B, 2020, 101, .	3.2	16
7	Triplet-blockaded Josephson supercurrent in double quantum dots. Physical Review B, 2020, 102, .	3.2	17
8	Poor man's topological quantum gate based on the Su-Schrieffer-Heeger model. Physical Review B, 2019, 100, .	3.2	37
9	Hyperfine-assisted decoherence of a phosphorus nuclear-spin qubit in silicon. Physical Review B, 2019, 100, .	3.2	3
10	Observation of spinâ€“orbit coupling induced Weyl points in a two-electron double quantum dot. Communications Physics, 2019, 2, .	5.3	11
11	Transport signatures of an Andreev molecule in a quantum dotâ€“superconductorâ€“quantum dot setup. Beilstein Journal of Nanotechnology, 2019, 10, 363-378.	2.8	24
12	Fast electron spin flips via strong subcycle electric excitation. Physical Review B, 2018, 97, .	3.2	5
13	Hyperfine-assisted fast electric control of dopant nuclear spins in semiconductors. Physical Review B, 2018, 97, .	3.2	6
14	Spin-strain interaction in nitrogen-vacancy centers in diamond. Physical Review B, 2018, 98, .	3.2	77
15	Coulomb-blockade and Pauli-blockade magnetometry. Physical Review B, 2017, 95, .	3.2	6
16	Electron-electron attraction in an engineered electromechanical system. Physical Review B, 2017, 96, .	3.2	2
17	Valley-enhanced fast relaxation of gate-controlled donor qubits in silicon. Nanotechnology, 2016, 27, 314002.	2.6	17
18	Control of valley dynamics in silicon quantum dots in the presence of an interface step. Physical Review B, 2016, 94, .	3.2	31

#	ARTICLE	IF	CITATIONS
19	Valley relaxation in graphene due to charged impurities. Physical Review B, 2015, 92, .	3.2	10
20	Subharmonic transitions and Bloch-Siegert shift in electrically driven spin resonance. Physical Review B, 2015, 92, .	3.2	47
21	Shape-sensitive Pauli blockade in a bent carbon nanotube. Physical Review B, 2015, 91, .	3.2	11
22	Orbital hyperfine interaction and qubit dephasing in carbon nanotube quantum dots. Physical Review B, 2014, 90, .	3.2	5
23	Maximal Rabi frequency of an electrically driven spin in a disordered magnetic field. Physical Review B, 2014, 89, .	3.2	22
24	Current hot spot in the spin-valley blockade in carbon nanotubes. Physical Review B, 2013, 88, .	3.2	8
25	Spin-Orbit-Induced Strong Coupling of a Single Spin to a Nanomechanical Resonator. Physical Review Letters, 2012, 108, 206811.	7.8	85
26	Disorder-Mediated Electron Valley Resonance in Carbon Nanotube Quantum Dots. Physical Review Letters, 2011, 106, 086801.	7.8	55
27	Catastrophe optics of caustics in single and bilayer graphene: Fine structure of caustics. Physica Status Solidi (B): Basic Research, 2010, 247, 2949-2952.	1.5	4
28	Spin-valley blockade in carbon nanotube double quantum dots. Physical Review B, 2010, 82, .	3.2	44
29	Caustics due to a Negative Refractive Index in Circular Graphene<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mi>n</mml:mi></mml:math>Junctions. Physical Review Letters, 2007, 99, 246801.	7.8	107