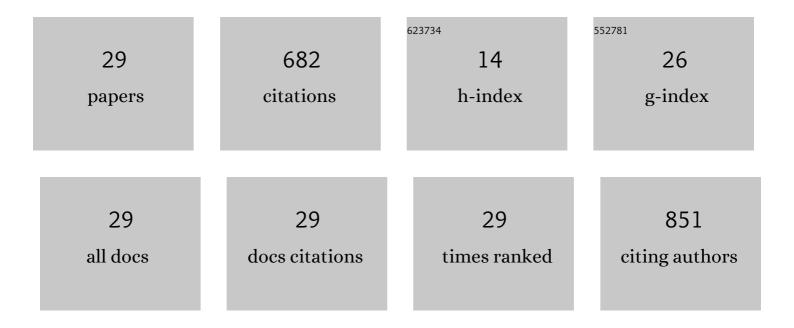
## AndrÃ<sub>i</sub>s PÃ<sub>i</sub>lyi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10782724/publications.pdf Version: 2024-02-01



ΔΝΟΡΑ:ς ΡΑ:Ινι

#	Article	IF	CITATIONS
1	Caustics due to a Negative Refractive Index in Circular Graphene <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"&gt;<mml:mi>p</mml:mi><mml:mtext mathvariant="normal"&gt;â^²<mml:mi>n</mml:mi>Junctions. Physical Review Letters, 2007, 99, 246801.</mml:mtext </mml:math 	7.8	107
2	Spin-Orbit-Induced Strong Coupling of a Single Spin to a Nanomechanical Resonator. Physical Review Letters, 2012, 108, 206811.	7.8	85
3	Spin-strain interaction in nitrogen-vacancy centers in diamond. Physical Review B, 2018, 98, .	3.2	77
4	Disorder-Mediated Electron Valley Resonance in Carbon Nanotube Quantum Dots. Physical Review Letters, 2011, 106, 086801.	7.8	55
5	Subharmonic transitions and Bloch-Siegert shift in electrically driven spin resonance. Physical Review B, 2015, 92, .	3.2	47
6	Spin-valley blockade in carbon nanotube double quantum dots. Physical Review B, 2010, 82, .	3.2	44
7	Poor man's topological quantum gate based on the Su-Schrieffer-Heeger model. Physical Review B, 2019, 100, .	3.2	37
8	Control of valley dynamics in silicon quantum dots in the presence of an interface step. Physical Review B, 2016, 94, .	3.2	31
9	Transport signatures of an Andreev molecule in a quantum dot–superconductor–quantum dot setup. Beilstein Journal of Nanotechnology, 2019, 10, 363-378.	2.8	24
10	Maximal Rabi frequency of an electrically driven spin in a disordered magnetic field. Physical Review B, 2014, 89, .	3.2	22
11	Charge Noise and Overdrive Errors in Dispersive Readout of Charge, Spin, and Majorana Qubits. Physical Review Applied, 2020, 14, .	3.8	18
12	Valley-enhanced fast relaxation of gate-controlled donor qubits in silicon. Nanotechnology, 2016, 27, 314002.	2.6	17
13	Triplet-blockaded Josephson supercurrent in double quantum dots. Physical Review B, 2020, 102, .	3.2	17
14	Parity-to-charge conversion for readout of topological Majorana qubits. Physical Review B, 2020, 101, .	3.2	16
15	Shape-sensitive Pauli blockade in a bent carbon nanotube. Physical Review B, 2015, 91, .	3.2	11
16	Observation of spin–orbit coupling induced Weyl points in a two-electron double quantum dot. Communications Physics, 2019, 2, .	5.3	11
17	Valley relaxation in graphene due to charged impurities. Physical Review B, 2015, 92, .	3.2	10
18	Current hot spot in the spin-valley blockade in carbon nanotubes. Physical Review B, 2013, 88, .	3.2	8

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#	Article	IF	CITATIONS
19	From Cooper pair splitting to nonlocal spectroscopy of a Shiba state. Physical Review Research, 2022, 4, .	3.6	7
20	Coulomb-blockade and Pauli-blockade magnetometry. Physical Review B, 2017, 95, .	3.2	6
21	Hyperfine-assisted fast electric control of dopant nuclear spins in semiconductors. Physical Review B, 2018, 97, .	3.2	6
22	Orbital hyperfine interaction and qubit dephasing in carbon nanotube quantum dots. Physical Review B, 2014, 90, .	3.2	5
23	Fast electron spin flips via strong subcycle electric excitation. Physical Review B, 2018, 97, .	3.2	5
24	Magnetic degeneracy points in interacting two-spin systems: Geometrical patterns, topological charge distributions, and their stability. Physical Review B, 2020, 101, .	3.2	5
25	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
26	Hyperfine-assisted decoherence of a phosphorus nuclear-spin qubit in silicon. Physical Review B, 2019, 100, .	3.2	3
27	Electron-electron attraction in an engineered electromechanical system. Physical Review B, 2017, 96, .	3.2	2
28	Dephasing of Majorana qubits due to quasistatic disorder. Physical Review B, 2022, 105, .	3.2	2
29	Topological charge distributions of an interacting two-spin system. Physical Review B, 2022, 105, .	3.2	0