

Dmitry I Pikulin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

453
citations

13
h-index

21
g-index

28
ext. papers

703
ext. citations

6.9
avg, IF

4.45
L-index

#	Paper	IF	Citations
21	Observation of the 4E-periodic Josephson effect in indium arsenide nanowires. <i>Nature Communications</i> , 2019 , 10, 245	17.4	68
20	Geometric and Conventional Contribution to the Superfluid Weight in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2019 , 123, 237002	7.4	59
19	Interplay of exciton condensation and the quantum spin hall effect in InAs/GaSb bilayers. <i>Physical Review Letters</i> , 2014 , 112, 176403	7.4	53
18	Pseudo-electromagnetic fields in 3D topological semimetals. <i>Nature Reviews Physics</i> , 2020 , 2, 29-41	23.6	38
17	Aperiodic Weak Topological Superconductors. <i>Physical Review Letters</i> , 2016 , 116, 257002	7.4	29
16	Supercurrent Interference in Few-Mode Nanowire Josephson Junctions. <i>Physical Review Letters</i> , 2017 , 119, 187704	7.4	28
15	Two types of topological transitions in finite Majorana wires. <i>Physical Review B</i> , 2013 , 87,	3.3	27
14	Noise-Induced Backscattering in a Quantum Spin Hall Edge. <i>Physical Review Letters</i> , 2018 , 121, 106601	7.4	19
13	Majorana-Hubbard model on the square lattice. <i>Physical Review B</i> , 2017 , 96,	3.3	18
12	Luttinger liquid in contact with a Kramers pair of Majorana bound states. <i>Physical Review B</i> , 2016 , 93,	3.3	16
11	Magnetic-field-dependent quasiparticle dynamics of nanowire single-Cooper-pair transistors. <i>Physical Review B</i> , 2018 , 98,	3.3	16
10	Robust helical edge transport in quantum spin Hall quantum wells. <i>Physical Review B</i> , 2018 , 98,	3.3	16
9	Photon-assisted tunnelling of zero modes in a Majorana wire. <i>Nature Physics</i> , 2020 , 16, 663-668	16.2	15
8	Quasiparticle Poisoning of Majorana Qubits. <i>Physical Review Letters</i> , 2021 , 126, 057702	7.4	11
7	Modeling noise and error correction for Majorana-based quantum computing. <i>Quantum - the Open Journal for Quantum Science</i> , 2 , 88		9
6	Phase diagrams of Majorana-Hubbard ladders. <i>Physical Review B</i> , 2019 , 99,	3.3	8
5	Suppressing quasiparticle poisoning with a voltage-controlled filter. <i>Physical Review B</i> , 2019 , 100,	3.3	6

4	Coulomb Blockade of a Nearly Open Majorana Island. <i>Physical Review Letters</i> , 2019 , 122, 016801	7.4	6
3	Designing Three-Dimensional Flat Bands in Nodal-Line Semimetals. <i>Physical Review X</i> , 2021 , 11,	9.1	2
2	Bulk-boundary quantum oscillations in inhomogeneous Weyl semimetals. <i>New Journal of Physics</i> , 2020 , 22, 013035	2.9	1
1	Majorana signatures in charge transport through a topological superconducting double-island system. <i>Physical Review B</i> , 2021 , 103,	3.3	1