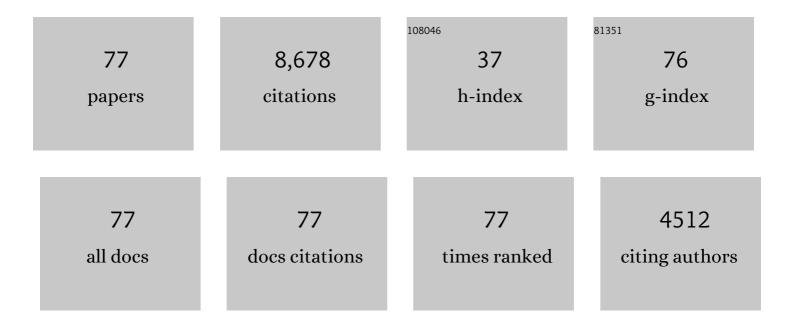


List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Signatures of nontopological patches on the surface of topological insulators. Physical Review B, 2022, 105, .	1.1	2
2	Acoustic-phonon-mediated superconductivity in Bernal bilayer graphene. Physical Review B, 2022, 105, .	1,1	27
3	Acoustic-phonon-mediated superconductivity in moiréless graphene multilayers. Physical Review B, 2022, 106, .	1.1	18
4	Electron-boson-interaction induced particle-hole symmetry breaking of conductance into subgap states in superconductors. Physical Review Research, 2021, 3, .	1.3	5
5	Symmetry-breaking signatures of multiple Majorana zero modes in one-dimensional spin-triplet superconductors. Physical Review B, 2021, 104, .	1.1	3
6	Acoustic-Phonon-Mediated Superconductivity in Rhombohedral Trilayer Graphene. Physical Review Letters, 2021, 127, 187001.	2.9	47
7	Correlation-Induced Triplet Pairing Superconductivity in Graphene-Based Moiré Systems. Physical Review Letters, 2021, 127, 217001.	2.9	25
8	Fermion parity gap and exponential ground state degeneracy of the one-dimensional Fermi gas with intrinsic attractive interaction. Physical Review B, 2020, 102, .	1.1	0
9	Presence versus absence of end-to-end nonlocal conductance correlations in Majorana nanowires: Majorana bound states versus Andreev bound states. Physical Review B, 2019, 100, .	1.1	32
10	Conductance smearing and anisotropic suppression of induced superconductivity in a Majorana nanowire. Physical Review B, 2019, 99, .	1.1	18
11	Emergent gauge field and the Lifshitz transition of spin-orbit coupled bosons in one dimension. Scientific Reports, 2019, 9, 7471.	1.6	2
12	Proposal for Measuring the Parity Anomaly in a Topological Superconductor Ring. Physical Review Letters, 2019, 122, 117001.	2.9	11
13	Curvature of gap closing features and the extraction of Majorana nanowire parameters. Physical Review B, 2019, 99, .	1.1	11
14	Disorder-induced half-integer quantized conductance plateau in quantum anomalous Hall insulator-superconductor structures. Physical Review B, 2018, 97, .	1,1	61
15	Conductance interference in a superconducting Coulomb blockaded Majorana ring. Physical Review B, 2018, 97, .	1.1	17
16	Quasiparticle gaps in multiprobe Majorana nanowires. Physical Review B, 2018, 98, .	1,1	10
17	Chiral anomaly without Landau levels: From the quantum to the classical regime. Physical Review B, 2018, 98, .	1.1	4
18	Chiral supercurrent through a quantum Hall weak link. Physical Review B, 2018, 98, .	1.1	9

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19	Metamorphosis of Andreev bound states into Majorana bound states in pristine nanowires. Physical Review B, 2018, 98, .	1.1	33
20	Dissipation-enabled fractional Josephson effect. Physical Review B, 2018, 98, .	1.1	13
21	Distinguishing topological Majorana bound states from trivial Andreev bound states: Proposed tests through differential tunneling conductance spectroscopy. Physical Review B, 2018, 97, .	1.1	84
22	Role of dissipation in realistic Majorana nanowires. Physical Review B, 2017, 95, .	1.1	62
23	Robust zero-energy bound states in a helical lattice. Physical Review B, 2017, 96, .	1.1	5
24	Andreev bound states versus Majorana bound states in quantum dot-nanowire-superconductor hybrid structures: Trivial versus topological zero-bias conductance peaks. Physical Review B, 2017, 96, .	1.1	310
25	Detecting topological superconductivity using low-frequency doubled Shapiro steps. Physical Review B, 2017, 95, .	1.1	28
26	Conductance of a superconducting Coulomb-blockaded Majorana nanowire. Physical Review B, 2017, 96, .	1.1	53
27	Electron temperature and tunnel coupling dependence of zero-bias and almost-zero-bias conductance peaks in Majorana nanowires. Physical Review B, 2017, 96, .	1.1	57
28	Z3 Parafermionic Zero Modes without Andreev Backscattering from the 2/3 Fractional Quantum Hall State. Physical Review Letters, 2017, 119, 217701.	2.9	13
29	Global Phase Diagram of a Three-Dimensional Dirty Topological Superconductor. Physical Review Letters, 2017, 118, 227002.	2.9	17
30	Effects of spin-orbit coupling on zero-energy bound states localized at magnetic impurities in multiband superconductors. Physical Review B, 2017, 95, .	1.1	4
31	Dirty Weyl semimetals: Stability, phase transition, and quantum criticality. Physical Review B, 2016, 93, .	1.1	90
32	Proposal to probe quantum nonlocality of Majorana fermions in tunneling experiments. Physical Review B, 2015, 92, .	1.1	34
33	Equivalence of topological mirror superconductivity and chiral superconductivity in one dimension. Physical Review B, 2015, 92, .	1.1	3
34	Bulk disorder in the superconductor affects proximity-induced topological superconductivity. Physical Review B, 2015, 92, .	1.1	42
35	Dynamical Detection of Topological Phase Transitions in Short-Lived Atomic Systems. Physical Review Letters, 2015, 115, 190401.	2.9	11
36	Bound States of a Ferromagnetic Wire in a Superconductor. Physical Review Letters, 2015, 115, 127003.	2.9	29

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37	Topological Yu-Shiba-Rusinov chain from spin-orbit coupling. Physical Review B, 2015, 91, .	1.1	108
38	Majorana fermions in ferromagnetic chains on the surface of bulk spin-orbit coupled s-wave superconductors. Scientific Reports, 2015, 5, 8880.	1.6	64
39	Majorana fermions in chiral topological ferromagnetic nanowires. Physical Review B, 2015, 91, .	1.1	70
40	Substrate-induced Majorana renormalization in topological nanowires. New Journal of Physics, 2015, 17, 075001.	1.2	13
41	Magnetic field response and chiral symmetry of time-reversal-invariant topological superconductors. Physical Review B, 2014, 90, .	1.1	44
42	Suppressing defect production during passage through a quantum critical point. Physical Review B, 2014, 90, .	1.1	16
43	Generalized Eilenberger theory for Majorana zero-mode-carrying disordered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi>-wave superconductors. Physical Review B, 2014, 90, .</mml:math 	1.1	19
44	Surface theory of a family of topological Kondo insulators. Physical Review B, 2014, 90, .	1.1	45
45	Transport in Two-Dimensional Disordered Semimetals. Physical Review Letters, 2014, 113, 186801.	2.9	20
46	Multiparticle Exciton Ionization in Shallow Doped Carbon Nanotubes. Journal of Physical Chemistry Letters, 2013, 4, 982-986.	2.1	2
47	Density of states of disordered topological superconductor-semiconductor hybrid nanowires. Physical Review B, 2013, 88, .	1.1	81
48	Topological superconducting state and Majorana fermions in carbon nanotubes. Physical Review B, 2013, 88, .	1.1	34
49	Amplitude mode of the <mml:math xmins:mml="http://www.w3.org/1998/Wath/Wath/WathWL<br">display="inline"><mml:mi>d</mml:mi></mml:math> -density-wave state and its relevance to high- <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi><</mml:mi></mml:msub></mml:math> cuprates.	1.1	5
50	Physical Review B, 2013, 87, . Zero-bias conductance peak in Majorana wires made of semiconductor/superconductor hybrid structures. Physical Review B, 2012, 86, .	1.1	97
51	Splitting of the zero-bias conductance peak as smoking gun evidence for the existence of the Majorana mode in a superconductor-semiconductor nanowire. Physical Review B, 2012, 86, .	1.1	256
52	To Close or Not to Close: The Fate of the Superconducting Gap Across the Topological Quantum Phase Transition in Majorana-Carrying Semiconductor Nanowires. Physical Review Letters, 2012, 109, 266402.	2.9	58
53	Topologically protected surface Majorana arcs and bulk Weyl fermions in ferromagnetic superconductors. Physical Review B, 2012, 86, .	1.1	68
54	Avoidance of Majorana Resonances in Periodic Topological Superconductor-Nanowire Structures. Physical Review Letters, 2012, 108, 067001.	2.9	29

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55	Topological Invariants for Spin-Orbit Coupled Superconductor Nanowires. Physical Review Letters, 2012, 109, 150408.	2.9	217
56	Experimental and materials considerations for the topological superconducting state in electron- and hole-doped semiconductors: Searching for non-Abelian Majorana modes in 1D nanowires and 2D heterostructures. Physical Review B, 2012, 85, .	1.1	114
57	Realizing a robust practical Majorana chain in a quantum-dot-superconductor linear array. Nature Communications, 2012, 3, 964.	5.8	152
58	Topological minigap in quasi-one-dimensional spin-orbit-coupled semiconductor Majorana wires. Physical Review B, 2012, 86, .	1.1	48
59	Probing non-Abelian statistics with Majorana fermion interferometry in spin-orbit-coupled semiconductors. Physical Review B, 2011, 84, .	1.1	27
60	Controlling non-Abelian statistics of Majorana fermions in semiconductor nanowires. Physical Review B, 2011, 84, .	1.1	165
61	Majorana fermion exchange in quasi-one-dimensional networks. Physical Review B, 2011, 84, .	1.1	95
62	Electrodynamic and Excitonic Intertube Interactions in Semiconducting Carbon Nanotube Aggregates. ACS Nano, 2011, 5, 2611-2618.	7.3	42
63	Anisotropic surface transport in topological insulators in proximity to a helical spin density wave. Physical Review B, 2011, 83, .	1.1	17
64	Chiral Rashba spin textures in ultracold Fermi gases. Physical Review B, 2011, 83, .	1.1	101
65	Diamagnetic Susceptibility Obtained from the Six-Vertex Model and Its Implications for the High-Temperature Diamagnetic State of Cuprate Superconductors. Physical Review Letters, 2011, 107, 177006.	2.9	6
66	Number conserving theory for topologically protected degeneracy in one-dimensional fermions. Physical Review B, 2011, 84, .	1.1	98
67	Topologically non-trivial superconductivity in spin–orbit-coupled systems: bulk phases and quantum phase transitions. New Journal of Physics, 2011, 13, 065004.	1.2	58
68	Majorana Fermions and a Topological Phase Transition in Semiconductor-Superconductor Heterostructures. Physical Review Letters, 2010, 105, 077001.	2.9	2,726
69	Universal quantum computation in a semiconductor quantum wire network. Physical Review A, 2010, 82, .	1.0	110
70	A theorem for the existence of Majorana fermion modes in spin–orbit-coupled semiconductors. Annals of Physics, 2010, 325, 219-231.	1.0	44
71	Non-Abelian quantum order in spin-orbit-coupled semiconductors: Search for topological Majorana particles in solid-state systems. Physical Review B, 2010, 82, .	1.1	408
72	Non-Abelian topological order in noncentrosymmetric superconductors with broken time-reversal symmetry. Physical Review B, 2010, 82, .	1.1	96

#	Article	IF	CITATIONS
73	Robustness of Majorana fermions in proximity-induced superconductors. Physical Review B, 2010, 82, .	1.1	147
74	Generic New Platform for Topological Quantum Computation Using Semiconductor Heterostructures. Physical Review Letters, 2010, 104, 040502.	2.9	1,575
75	Proximity effect at the superconductor–topological insulator interface. Physical Review B, 2010, 81, .	1.1	178
76	Theory of domain formation in inhomogeneous ferromagnetic dipolar condensates within the truncated Wigner approximation. Physical Review A, 2009, 80, .	1.0	30
77	Possible electric-field-induced one-dimensional excitonic insulators in pairs of carbon nanotubes. Physical Review B, 2008, 78, .	1.1	5