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Anomalous zero-bias conductance peak in a Nb-InSb nanowire-Nb hybrid device

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1335	Crystal structure and transport in merged InAs nanowires MBE grown on (001) InAs. <i>Nano Letters</i> , 2013 , 13, 5190-6	11.5	32
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1325	Morphological evolution, growth mechanism, and magneto-transport properties of silver telluride one-dimensional nanostructures. 2013 , 8, 356	9
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1323	Fully gapped topological surface states in Bi ₂ Se ₃ films induced by a d-wave high-temperature superconductor. 2013 , 9, 621-625	121
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1319	Majorana edge States in atomic wires coupled by pair hopping. 2013 , 111, 173004	54
1318	Reentrant topological transitions with Majorana end states in one-dimensional superconductors by lattice modulation. 2013 , 88,	6
1317	From Andreev bound states to Majorana fermions in topological wires on superconducting substrates: A story of mutation. 2013 , 88,	36
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1299	Superconductor-nanowire devices from tunneling to the multichannel regime: Zero-bias oscillations and magnetoconductance crossover. 2013 , 87,	576
1298	Persistent enhancement of the carrier density in electron irradiated InAs nanowires. 2013 , 24, 275706	21
1297	Synthesis and properties of antimonide nanowires. 2013 , 24, 202001	65
1296	\mathbb{Z}_2 Green's function topology of Majorana wires. 2013 , 15, 065006	4
1295	Proximity Related Phenomena. 2013 , 167-191	
1294	Soft superconducting gap in semiconductor Majorana nanowires. 2013 , 110, 186803	94
1293	Possibility of direct observation of edge Majorana modes in quantum chains. 2013 , 110, 217207	16
1292	Majorana-Klein hybridization in topological superconductor junctions. 2013 , 110, 216803	65

1291	Superconducting proximity effect in semiconductor nanowires. 2013 , 87,	8
1290	Majorana fermions in semiconductor nanowires: fundamentals, modeling, and experiment. 2013 , 25, 233201	306
1289	Quasiclassical theory of disordered multi-channel Majorana quantum wires. 2013 , 15, 055019	34
1288	Direct measurement of current-phase relations in superconductor/topological insulator/superconductor junctions. <i>Nano Letters</i> , 2013 , 13, 3086-92	11.5 44
1287	Multiterminal Coulomb-Majorana junction. 2013 , 110, 196401	69
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1285	Josephson-Majorana cycle in topological single-electron hybrid transistors. 2013 , 88,	6
1284	Correlations between Majorana fermions through a superconductor. 2013 , 111, 056802	65
1283	Topological superconducting phase in helical Shiba chains. 2013 , 88,	282
1282	Spintronics in MoS2 monolayer quantum wires. 2013 , 88,	129
1281	Current-voltage characterization of individual as-grown nanowires using a scanning tunneling microscope. <i>Nano Letters</i> , 2013 , 13, 5182-9	11.5 16
1280	Generating many Majorana modes via periodic driving: A superconductor model. 2013 , 87,	114
1279	Transport across a junction of topological insulators and a superconductor. 2013 , 87,	13
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1277	Oxide-based platform for reconfigurable superconducting nanoelectronics. 2013 , 24, 375201	23
1276	Robustness of topological order in semiconductor/superconductor nanowires in the Coulomb blockade regime. 2013 , 15, 085003	3
1275	Classification of engineered topological superconductors. 2013 , 15, 105027	24
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1273	Topological phases of quasi-one-dimensional fermionic atoms with a synthetic gauge field. 2013 , 15, 075010	36
1272	Fractional Josephson effect in a quadruple quantum dot. 2013 , 15, 085018	10
1271	Signatures of topological phase transitions in mesoscopic superconducting rings. 2013 , 15, 025001	35
1270	Microwave-controlled coupling of Majorana bound states. 2013 , 15, 025043	31
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1268	Multiple Andreev reflection and critical current in topological superconducting nanowire junctions. 2013 , 15, 075019	62
1267	Emergence of Majorana modes in cylindrical nanowires. 2013 , 103, 37004	17
1266	Chiral Majorana edge states in HgTe quantum wells. 2013 , 15, 085008	17
1265	Unfrozen spin effect in a composite 1D topological superconductor. 2013 , 103, 37007	2
1264	Tunneling transport through multi-quantum-dot with Majorana bound states. 2013 , 114, 033703	26
1263	Electrical detection of topological quantum phase transitions in disordered Majorana nanowires. 2013 , 88,	20
1262	Modulation of Majorana-induced current cross-correlations by quantum dots. 2013 , 111, 036802	79
1261	Gate-Defined Wires in HgTe Quantum Wells: From Majorana Fermions to Spintronics. 2013 , 3,	9
1260	Inhomogeneous topological superfluidity in one-dimensional spin-orbit-coupled Fermi gases. 2013 , 111, 235302	46
1259	Topological invariant for generic one-dimensional time-reversal-symmetric superconductors in class DIII. 2013 , 88,	20
1258	Proposed method for tunneling spectroscopy with ohmic dissipation using resistive electrodes: a possible Majorana filter. 2013 , 111, 207003	14
1257	Majorana modes in smooth normal-superconductor nanowire junctions. 2013 , 88,	4
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1255	Majorana states and devices in magnetic structures. 2013 , 88,	7
1254	Density of states of disordered topological superconductor-semiconductor hybrid nanowires. 2013 , 88,	60
1253	Bound states at impurities as a probe of topological superconductivity in nanowires. 2013 , 88,	53
1252	Majorana fermion induced nonlocal current correlations in spin-orbit coupled superconducting wires. 2013 , 88,	50
1251	Majorana fermions qubit states and non-Abelian braiding statistics in quenched inhomogeneous spin ladders. 2013 , 88,	4
1250	Topological rf SQUID with a frustrating π junction for probing the Majorana bound state. 2013 , 88,	20
1249	Electrostatic tailoring of magnetic interference in quantum point contact ballistic Josephson junctions. 2013 , 87,	19
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1246	Majorana fermions in superconducting wires: Effects of long-range hopping, broken time-reversal symmetry, and potential landscapes. 2013 , 88,	114
1245	Fermion-parity anomaly of the critical supercurrent in the quantum spin-Hall effect. 2013 , 110, 017003	94
1244	Topological pumping in class-D superconducting wires. 2013 , 88,	13
1243	Measuring fermion parity correlations and relaxation rates in one-dimensional topological superconducting wires. 2013 , 88,	12
1242	Dynamical formation and manipulation of Majorana fermions in driven quantum wires in contact with a superconductor. 2013 , 110, 087001	32
1241	Measurement-only topological quantum computation via tunable interactions. 2013 , 87,	46
1240	Tunneling spectroscopy of a spiral Luttinger liquid in contact with superconductors. 2013 , 88,	4
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1234	Thermodynamic signatures for topological phase transitions to Majorana and Weyl superfluids in ultracold Fermi gases. 2013 , 87,	14
1233	Proposal for coherent coupling of Majorana zero modes and superconducting qubits using the 4π Josephson effect. 2013 , 111, 107007	46
1232	Equivalent topological invariants for one-dimensional Majorana wires in symmetry class D. 2013 , 88,	39
1231	Flux-controlled quantum computation with Majorana fermions. 2013 , 88,	199
1230	Transport properties of topological superconductor–Luttinger liquid junctions: A real-time Keldysh approach. 2013 , 88,	27
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1228	Towards a realistic transport modeling in a superconducting nanowire with Majorana fermions. 2013 , 87,	250
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1226	Anomalous Josephson current, incipient time-reversal symmetry breaking, and Majorana bound states in interacting multilevel dots. 2013 , 88,	52
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1218	Adaptive tuning of Majorana fermions in a quantum dot chain. 2013 , 15, 045020	59
1217	Even-odd parity effects in Majorana junctions. 2013 , 15, 035033	16
1216	Cross-correlations mediated by Majorana bound states. 2013 , 103, 57016	26
1215	Probing Majorana Bound States in T-Shaped Junctions. 2014 , 31, 037306	2
1214	Detection of Majorana fermions in an Aharonov-Bohm interferometer. 2014 , 23, 057201	8
1213	Coulomb interaction effects on the Majorana states in quantum wires. 2014 , 26, 172203	19
1212	Demonstrating lattice symmetry protection in topological crystalline superconductors. 2014 , 90,	16
1211	Proximity-induced superconductivity and Josephson critical current in quantum spin Hall systems. 2014 , 90,	17
1210	NMR response of nuclear-spin helix in quantum wires with hyperfine and spin-orbit interaction. 2014 , 90,	8
1209	Effect of disorder on the conductance of (non-) topological SN junctions. 2014 , 2014, P11017	1
1208	Many-body characterization of particle-conserving topological superfluids. 2014 , 113, 267002	59
1207	Magnetic anisotropy of critical current in nanowire Josephson junction with spin-orbit interaction. 2014 , 108, 47009	10
1206	Chiral zero modes in superconducting nanowires with Dresselhaus spin-orbit coupling. 2014 , 90,	8
1205	Magnetic field response and chiral symmetry of time-reversal-invariant topological superconductors. 2014 , 90,	39
1204	Anderson localization of a Majorana fermion. 2014 , 106, 37006	1
1203	Conductance behavior in nanowires with spin-orbit interaction: A numerical study. 2014 , 90,	36
1202	Anomalous quantized conductance in a half-metal/topological superconductor/half-metal junction. 2014 , 26, 175702	2

1201	Persistent ferromagnetism and topological phase transition at the interface of a superconductor and a topological insulator. 2014 , 113, 266806	11
1200	Complete criterion for convex-Gaussian-state detection. 2014 , 90,	2
1199	Interface structure of a topological insulator/superconductor heterostructure. 2014 , 16, 123043	20
1198	Majorana fermions coupled to electromagnetic radiation. 2014 , 16, 015009	11
1197	Signatures of tunable Majorana-fermion edge states. 2014 , 16, 025004	4
1196	Majorana fermions in semiconductor nanostructures with two wires connected through a ring. 2014 , 16, 073045	5
1195	Transport properties of the CoulombMajorana junction. 2014 , 16, 015010	32
1194	A study on the tunneling spectroscopy of an $\{rm N\}$ - $p\{rm S\}$ junction and an $\{rm N\}$ - $\{rm hS\}$ junction. 2014 , 16, 093004	5
1193	Microscopic out-of-equilibrium analysis of the zero-bias conductance peak in a one-dimensional topological superconductor. 2014 ,	
1192	Josephson-coupled Moore-Read states. 2014 , 90,	9
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1170	Passivation of GaSb using molecular beam epitaxy Y ₂ O ₃ to achieve low interfacial trap density and high-performance self-aligned inversion-channel p-metal-oxide-semiconductor field-effect-transistors. 2014 , 105, 182106	28
1169	Bethe ansatz solution of the topological Kondo model. 2014 , 47, 265001	23
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1159	Nuclear spin relaxation in Rashba nanowires. 2014 , 90,	9
1158	Possibility of adiabatic transport of a Majorana edge state through an extended gapless region. 2014 , 90, 042107	10
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1135	Realization of single and double axial InSb/GaSb heterostructure nanowires. 2014 , 8, 269-273	2
1134	Majorana fermions in T-shaped semiconductor nanostructures. 2014 , 26, 065801	7
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1132	Mirror Majorana zero modes in spinful superconductors/superfluids Non-Abelian anyons in integer quantum vortices. 2014 , 55, 20-24	18
1131	Fractional helical liquids in quantum wires. 2014 , 89,	92
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1127	Quantum phase transitions and phase diagram for a one-dimensional p-wave superconductor with an incommensurate potential. 2014 , 26, 155701	2
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1117	Transport properties of Floquet topological superconductors at the transition from the topological phase to the Anderson localized phase. 2014 , 90,	18
1116	Rationally designed single-crystalline nanowire networks. 2014 , 26, 4875-9	55
1115	Floquet engineering of long-range p-wave superconductivity. 2014 , 90,	50
1114	Atomic scale strain relaxation in axial semiconductor III-V nanowire heterostructures. <i>Nano Letters</i> , 2014 , 14, 6614-20	11,5 85
1113	Majorana vortex-bound states in three-dimensional nodal noncentrosymmetric superconductors. 2014 , 90,	10
1112	Scaling of geometric phases close to the topological quantum phase transition in Kitaev's quantum wire model. 2014 , 11, 035202	2

1111	Thermoelectric signatures of a Majorana bound state coupled to a quantum dot. 2014 , 16, 015029	41
1110	Possibility of Majorana signature detecting via a single-electron spin implanted in a suspended carbon nanotube resonator. 2014 , 4, 47587-47592	3
1109	Kitaev chains with long-range pairing. 2014 , 113, 156402	114
1108	Metal-seeded growth of III-V semiconductor nanowires: towards gold-free synthesis. 2014 , 6, 3006-21	69
1107	Longitudinal spin pumping and topological superconductivity: Search for Majorana edge states. 2014 , 89,	1
1106	Soft superconducting gap in semiconductor-based Majorana nanowires. 2014 , 90,	23
1105	Subtle leakage of a Majorana mode into a quantum dot. 2014 , 89,	111
1104	Quantum spin Hall effect in strip of stripes model. 2014 , 90,	52
1103	Entanglement entropy and entanglement spectrum of triplet topological superconductors. 2014 , 26, 425702	8
1102	Detecting Majorana fermions in quasi-one-dimensional topological phases using nonlocal order parameters. 2014 , 89,	16
1101	Majorana fermions from Shiba states in an antiferromagnetic chain on top of a superconductor. 2014 , 90,	74
1100	Self-organized topological state in a magnetic chain on the surface of a superconductor. 2014 , 90,	42
1099	Helical order in one-dimensional magnetic atom chains and possible emergence of Majorana bound states. 2014 , 90,	82
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1094	Non-Abelian Majorana Doublets in Time-Reversal-Invariant Topological Superconductors. 2014 , 4,	57

1093	Creating Majorana fermions in topological insulators. 2014 , 1, 36-37		2
1092	Multichannel Kondo impurity dynamics in a Majorana device. 2014 , 113, 076401		61
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1089	Exotic topological types of Majorana zero modes and their universal quantum manipulation. 2014 , 90,		18
1088	Surfactant-assisted chemical vapour deposition of high-performance small-diameter GaSb nanowires. 2014 , 5, 5249		78
1087	Straight and kinked InAs nanowire growth observed in situ by transmission electron microscopy. 2014 , 7, 1188-1194		16
1086	Effect of incommensurate potential on the resonant tunneling through Majorana bound states on the topological superconductor chains. 2014 , 87, 1		4
1085	Topological matter. Observation of Majorana fermions in ferromagnetic atomic chains on a superconductor. 2014 , 346, 602-7		1222
1084	Detecting a quantum critical point in topological SN junctions. 2014 , 90,		7
1083	Room-temperature near-infrared photodetectors based on single heterojunction nanowires. <i>Nano Letters</i> , 2014 , 14, 694-8	11.5	118
1082	Entanglement modes and topological phase transitions in superconductors. 2014 , 89,		16
1081	Robustness of topological superconductivity in proximity-coupled topological insulator nanoribbons. 2014 , 90,		7
1080	Spin-orbit-coupled quantum wires and Majorana fermions on zigzag edges of monolayer transition-metal dichalcogenides. 2014 , 89,		54
1079	Parafermions in an interacting nanowire bundle. 2014 , 112, 246403		81
1078	Magneto-optical properties of wurtzite-phase InP nanowires. <i>Nano Letters</i> , 2014 , 14, 4250-6	11.5	21
1077	Fermion fractionalization to Majorana fermions in a dimerized Kitaev superconductor. 2014 , 90,		80
1076	Shot noise in a quantum dot system coupled with Majorana bound states. 2014 , 26, 315011		5

1075	High resolution scanning gate microscopy measurements on InAs/GaSb nanowire Esaki diode devices. 2014 , 7, 877-887		15
1074	Majorana mode stacking, robustness and size effect in cylindrical nanowires. 2014 , 87, 1		3
1073	Nonlinear optomechanical detection for Majorana fermions via a hybrid nanomechanical system. 2014 , 9, 166		8
1072	Dark solitons with Majorana fermions in spin-orbit-coupled Fermi gases. 2014 , 113, 130404		36
1071	Crossover from Josephson effect to single interface Andreev reflection in asymmetric superconductor/nanowire junctions. <i>Nano Letters</i> , 2014 , 14, 4977-81	11.5	19
1070	Universal Topological Quantum Computation from a Superconductor-Abelian Quantum Hall Heterostructure. 2014 , 4,		173
1069	Control of Majorana edge modes by a g-factor engineered nanowire spin transistor. 2014 , 198, 66-70		1
1068	Interference of Majorana fermions in NS junctions. 2014 , 55, 13-19		15
1067	Probing Majorana flat bands in nodal dx ² -y ² -wave superconductors with Rashba spin-orbit coupling. 2014 , 55, 30-36		10
1066	Topological blocking in quantum quench dynamics. 2014 , 89,		24
1065	Dissipation in a simple model of a topological Josephson junction. 2014 , 112, 247001		12
1064	Time-reversal-invariant topological superconductivity induced by repulsive interactions in quantum wires. 2014 , 89,		81
1063	Majorana fermion modulated nonequilibrium transport through double quantum dots. 2014 , 378, 2256-2262		3
1062	Tunneling spectroscopy of Majorana-Kondo devices. 2014 , 90,		24
1061	Suspended InAs nanowire Josephson junctions assembled via dielectrophoresis. 2015 , 26, 385302		13
1060	Surface Plasmon Enhanced Sensitive Detection for Possible Signature of Majorana Fermions via a Hybrid Semiconductor Quantum Dot-Metal Nanoparticle System. 2015 , 5, 13518		9
1059	Majorana fermions in quasi-one-dimensional and higher-dimensional ultracold optical lattices. 2015 , 92,		8
1058	Effects of gapless bosonic fluctuations on Majorana fermions in an atomic wire coupled to a molecular reservoir. 2015 , 92,		11

1057	Hidden-symmetry decoupling of Majorana bound states in topological superconductors. 2015, 91,	9
1056	Probing Majorana-like states in quantum dots and quantum rings. 2015, 91,	14
1055	Shortcuts to non-Abelian braiding. 2015, 91,	37
1054	Competing Abelian and non-Abelian topological orders in \mathbb{Z}_2 quantum Hall bilayers. 2015, 91,	30
1053	Conductance spectroscopy of topological superconductor wire junctions. 2015, 91,	29
1052	Identifying the topological superconducting phase in a multiband quantum wire. 2015, 91,	9
1051	Assembling Fibonacci anyons from a \mathbb{Z}_3 parafermion lattice model. 2015, 91,	27
1050	Majorana states and magnetic orbital motion in planar hybrid nanowires. 2015, 91,	14
1049	Orbital Josephson interference in a nanowire proximity-effect junction. 2015, 91,	7
1048	Universal spin-triplet superconducting correlations of Majorana fermions. 2015, 92,	30
1047	Control and braiding of Majorana fermions bound to magnetic domain walls. 2015, 92,	14
1046	Proposal to probe quantum nonlocality of Majorana fermions in tunneling experiments. 2015, 92,	31
1045	Majorana fermions at the edge of superconducting islands. 2015, 92,	19
1044	Interaction-enabled topological phases in topological insulator/superconductor heterostructures. 2015, 92,	18
1043	Statistical translation invariance protects a topological insulator from interactions. 2015, 92,	36
1042	Multiple signatures of topological transitions for interacting fermions in chain lattices. 2015, 92,	28
1041	Visualizing Majorana bound states in one and two dimensions using the generalized Majorana polarization. 2015, 92,	32
1040	Exact ground states and topological order in interacting Kitaev/Majorana chains. 2015, 92,	80

1039	Long-range Coulomb interaction and Majorana fermions. 2015, 92,	10
1038	Coherent manipulation of a Majorana qubit by a mechanical resonator. 2015, 92,	12
1037	Monte Carlo studies of the self-correcting properties of the Majorana quantum error correction code under braiding. 2015, 92,	20
1036	Microwave signatures of Majorana states in a topological Josephson junction. 2015, 92,	40
1035	Fractional Josephson effect in number-conserving systems. 2015, 92,	18
1034	Electronic structure of topological superconductors in the presence of a vortex lattice. 2015, 92,	28
1033	Singularities in the Andreev spectrum of a multiterminal Josephson junction. 2015, 92,	26
1032	Majorana fermions in noisy Kitaev wires. 2015, 92,	27
1031	Environmental Coulomb blockade of topological superconductor-normal metal junctions. 2015, 92,	2
1030	Effects of large induced superconducting gap on semiconductor Majorana nanowires. 2015, 92,	42
1029	Bulk disorder in the superconductor affects proximity-induced topological superconductivity. 2015, 92,	31
1028	Pulse dynamics of quantum systems with pairing. 2015, 92,	11
1027	Chirality-protected Majorana zero modes at the gapless edge of Abelian quantum Hall states. 2015, 92,	10
1026	Majorana zero modes choose Euler numbers as revealed by full counting statistics. 2015, 92,	13
1025	Josephson junction detectors for Majorana modes and Dirac fermions. 2015, 92,	15
1024	Antiferromagnetic nuclear spin helix and topological superconductivity in C13 nanotubes. 2015, 92,	27
1023	Current correlations in a Majorana beam splitter. 2015, 92,	27
1022	Impurity-Induced Bound States in Superconductors with Spin-Orbit Coupling. 2015, 114, 236804	33

1021	Majorana Braiding with Thermal Noise. 2015 , 115, 120402	49
1020	Evolution of Density of States and a Spin-Resolved Checkerboard-Type Pattern Associated with the Majorana Bound State. 2015 , 115, 177001	52
1019	End States and Subgap Structure in Proximity-Coupled Chains of Magnetic Adatoms. 2015 , 115, 197204	223
1018	Robust Majorana Conductance Peaks for a Superconducting Lead. 2015 , 115, 266804	35
1017	Random-matrix theory of Majorana fermions and topological superconductors. 2015 , 87, 1037-1066	166
1016	Realizing Majorana zero modes by proximity effect between topological insulators and d-wave high-temperature superconductors. 2015 , 91,	18
1015	General framework for transport in spin-orbit-coupled superconducting heterostructures: Nonuniform spin-orbit coupling and spin-orbit-active interfaces. 2015 , 91,	24
1014	Strongly interacting Majorana fermions. 2015 , 91,	53
1013	Majorana braiding dynamics in nanowires. 2015 , 91,	26
1012	Topological superconductivity in Rashba semiconductors without a Zeeman field. 2015 , 92,	15
1011	Orbital angular momentum in a nonchiral topological superconductor. 2015 , 92,	9
1010	Fractional charge and spin states in topological insulator constrictions. 2015 , 92,	40
1009	Self-stabilizing temperature-driven crossover between topological and nontopological ordered phases in one-dimensional conductors. 2015 , 92,	24
1008	Parafermionic Zero Modes in Ultracold Bosonic Systems. 2015 , 115, 065301	11
1007	Emergent Supersymmetry from Strongly Interacting Majorana Zero Modes. 2015 , 115, 166401	78
1006	Detecting the Exchange Phase of Majorana Bound States in a Corbino Geometry Topological Josephson Junction. 2015 , 115, 246403	12
1005	Designer non-Abelian anyon platforms: from Majorana to Fibonacci. 2015 , T164, 014006	18
1004	Majorana zero modes and topological quantum computation. 2015 , 1,	484

1003	Mapping of axial strain in InAs/InSb heterostructured nanowires. 2015 , 107, 093103	4
1002	Majorana bound states in the finite-length chain. 2015 , 41, 625-629	6
1001	Tuning the Dirac point to the Fermi level in the ternary topological insulator $(\text{Bi}_{1-x}\text{Sb}_x)_2\text{Te}_3$. 2015 , 107, 251603	33
1000	Superconducting-contact-induced resistance-anomalies in the 3D topological insulator Bi_2Te_3 . 2015 , 107, 172103	6
999	Electronic structures of [001]- and [111]-oriented InSb and GaSb free-standing nanowires. 2015 , 118, 094308	9
998	Superconducting transport in single and parallel double InAs quantum dot Josephson junctions with Nb-based superconducting electrodes. 2015 , 107, 222602	11
997	Photon-assisted tunneling through a topological superconductor with Majorana bound states. 2015 , 5, 127129	5
996	Probing Majorana bound states via counting statistics of a single electron transistor. 2015 , 5, 11416	13
995	Viewing Majorana Bound States by Rabi Oscillations. 2015 , 5, 11686	13
994	Magnetically modulated critical current densities of Co/Nb hybrid. 2015 , 5, 18601	3
993	Majoranas with and without a 'character': hybridization, braiding and chiral Majorana number. 2015 , 27, 455601	7
992	The stability of Majorana fermion in correlated quantum wire. 2015 , 24, 080401	1
991	Electromagnetic absorption of quasi-1D Majorana nanowires. 2015 , 12, 1409-1411	2
990	Spintronics Driven by Superconducting Proximity Effect. 2015 ,	
989	Spin-orbit interaction in InSb nanowires. 2015 , 91,	98
988	Majorana transport in superconducting nanowire with Rashba and Dresselhaus spin-orbit couplings. 2015 , 27, 225302	3
987	Towards high mobility InSb nanowire devices. 2015 , 26, 215202	68
986	Gate-tunable high mobility remote-doped InSb/ $\text{In}_{1-x}\text{Al}_x\text{Sb}$ quantum well heterostructures. 2015 , 106, 142103	24

985	Anomalous proximity effect and theoretical design for its realization. 2015 , 91,	22
984	Extracting entangled qubits from Majorana fermions in quantum dot chains through the measurement of parity. 2015 , 5, 11188	7
983	Detection of Majorana fermions by Fano resonance in hybrid nanostructures. 2015 , 10, 223	10
982	Majorana entanglement bridge. 2015 , 91,	12
981	Thermoelectric effect in the Kondo dot side-coupled to a Majorana mode. 2015 , 88, 1	6
980	Topological aspects of π phase winding junctions in superconducting wires. 2015 , 27, 405701	5
979	Monolayer Topological Insulators: Silicene, Germanene, and Stanene. 2015 , 84, 121003	245
978	Majorana Zero Modes in Graphene. 2015 , 5,	55
977	Phase diagram of the interacting Majorana chain model. 2015 , 92,	48
976	Visualizing Majorana fermions in a chain of magnetic atoms on a superconductor. 2015 , T164, 014012	3
975	Fidelity approach in topological superconductors with disorders. 2015 , 379, 719-722	
974	Colloquium: Majorana fermions in nuclear, particle, and solid-state physics. 2015 , 87, 137-163	504
973	Pb/InAs nanowire Josephson junction with high critical current and magnetic flux focusing. <i>Nano Letters</i> , 2015 , 15, 1803-8	11.5 29
972	All-optical scheme for detecting the possible Majorana signature based on QD and nanomechanical resonator systems. 2015 , 58, 1-14	4
971	Hard gap in epitaxial semiconductor-superconductor nanowires. 2015 , 10, 232-6	259
970	Detecting Majorana modes in one-dimensional wires by charge sensing. 2015 , 91,	47
969	Experimental detection of a Majorana mode in the core of a magnetic vortex inside a topological insulator-superconductor Bi(2)Te(3)/NbSe(2) heterostructure. 2015 , 114, 017001	317
968	Kaleidoscope of symmetry-protected topological phases in one-dimensional periodically modulated lattices. 2015 , 91,	31

967	Topological Fulde-Ferrell superfluids of a spin-orbit coupled Fermi gas. 2015 , 29, 1530001	24
966	Epitaxy of semiconductor-superconductor nanowires. 2015 , 14, 400-6	280
965	Non-Abelian parafermions in time-reversal-invariant interacting helical systems. 2015 , 91,	64
964	Shiba states and zero-bias anomalies in the hybrid normal-superconductor Anderson model. 2015 , 91,	72
963	Thermopower of three-terminal topological superconducting systems. 2015 , 91,	12
962	Fermionic and Majorana bound states in hybrid nanowires with non-uniform spin-orbit interaction. 2015 , 88, 1	66
961	Robust interface between flying and topological qubits. 2015 , 5, 12233	20
960	Manipulating Andreev and Majorana bound states with microwaves. 2015 , 92,	5
959	Engineering topological superconductors using surface atomic-layer/molecule hybrid materials. 2015 , 26, 344004	4
958	Electrical and Surface Properties of InAs/InSb Nanowires Cleaned by Atomic Hydrogen. <i>Nano Letters</i> , 2015 , 15, 4865-75	11.5 29
957	Imprint of topological degeneracy in quasi-one-dimensional fractional quantum Hall states. 2015 , 91,	24
956	Parity independence of the zero-bias conductance peak in a nanowire based topological superconductor-quantum dot hybrid device. 2014 , 4, 7261	62
955	Interplay of topological phases in magnetic adatom-chains on top of a Rashba superconducting surface. 2015 , 17, 023051	36
954	Majorana modes and transport across junctions of superconductors and normal metals. 2015 , 27, 275702	20
953	Topological phase transition in the quench dynamics of a one-dimensional Fermi gas with spin-orbit coupling. 2015 , 17, 013029	7
952	Quench dynamics and parity blocking in Majorana wires. 2015 , 17, 053036	30
951	Signatures of majorana zero modes in spin-resolved current correlations. 2015 , 114, 166406	63
950	Majorana fermions in ferromagnetic chains on the surface of bulk spin-orbit coupled s-wave superconductors. 2015 , 5, 8880	50

949	Conductance oscillations at the interface between a superconductor and the helical edge channel in a narrow HgTe quantum well. 2015 , 101, 41-46	8
948	Optimal control of Majorana zero modes. 2015 , 91,	28
947	Electromagnetic absorption of semiconductor 2D Majorana nanowires. 2015 , 27, 125302	1
946	Shot noise in superconducting wires with a periodic modulation of the chemical potential. 2015 , 208, 21-24	3
945	Majorana fermion realization and relevant transport processes in a triple-quantum dot system. 2015 , 24, 037302	3
944	Strong localization of Majorana end States in chains of magnetic adatoms. 2015 , 114, 106801	106
943	Hidden-symmetry-protected topological phases on a one-dimensional lattice. 2015 , 109, 40006	12
942	Majorana fermion exchange in strictly one-dimensional structures. 2015 , 110, 10001	20
941	Edge-mode superconductivity in a two-dimensional topological insulator. 2015 , 10, 593-7	159
940	Shot noise as a measure of the lifetime and energy splitting of Majorana bound states. 2015 , 117, 164312	4
939	Interaction Effects on Transport in Majorana Nanowires. 2015 , 377-400	
938	Topological Kondo effect in transport through a superconducting wire with multiple Majorana end states. 2015 , 114, 116801	19
937	Optoelectronic properties of semiconductor nanowires. 2015 , 327-363	8
936	Tunneling transport in NSN Majorana junctions across the topological quantum phase transition. 2015 , 17, 065010	14
935	Measuring the spin polarization of a ferromagnet: An application of time-reversal invariant topological superconductor. 2015 , 111, 47002	1
934	Currents and current correlations in a topological superconducting nanowire beam splitter. 2015 , 111, 57002	1
933	Observation of Bose-Einstein condensation in a strong synthetic magnetic field. 2015 , 11, 859-864	142
932	Structural stability and electronic properties of InSb nanowires: A first-principles study. 2015 , 117, 125707	2

931	Charged-impurity-induced Majorana fermions in topological superconductors. 2015 , 91,	5
930	SNS junctions in nanowires with spin-orbit coupling: Role of confinement and helicity on the subgap spectrum. 2015 , 91,	100
929	Conductance of a finite Kitaev chain. 2015 , 91,	10
928	Two-impurity helical Majorana problem. 2015 , 91,	5
927	Probing Majorana physics in quantum-dot shot-noise experiments. 2015 , 91,	48
926	Majorana fermions in chiral topological ferromagnetic nanowires. 2015 , 91,	66
925	Long range p-wave proximity effect into a disordered metal. 2015 , 91,	5
924	Criticality in translation-invariant parafermion chains. 2015 , 91,	26
923	Flat Majorana bands in two-dimensional lattices with inhomogeneous magnetic fields: Topology and stability. 2015 , 91,	28
922	Interaction effects on a Majorana zero mode leaking into a quantum dot. 2015 , 91,	55
921	Odd-frequency pairing in topological superconductivity in a one-dimensional magnetic chain. 2015 , 91,	32
920	Observability of surface Andreev bound states in a topological insulator in proximity to an s-wave superconductor. 2015 , 27, 315701	16
919	Formation of long single quantum dots in high quality InSb nanowires grown by molecular beam epitaxy. 2015 , 7, 14822-8	17
918	Majorana fermion fingerprints in spin-polarised scanning tunnelling microscopy. 2015 , 74, 614-624	7
917	Topological superconducting phase and Majorana bound states in Shiba chains. 2015 , T164, 014008	12
916	Substrate-induced Majorana renormalization in topological nanowires. 2015 , 17, 075001	11
915	Floquet Majorana fermions in superconducting quantum dots. 2015 , 74, 608-613	5
914	Majorana fermions in the interacting T-shaped double quantum dot. 2015 , 88, 1	84

913	Majorana edge states and topological properties in 1D/2D Rashba semiconductor proximity coupled to iron-based superconductor. 2015 , 28, 014001	2
912	Spin manipulation with magnetic semiconductor barriers. 2015 , 17, 751-61	32
911	Nonlocal entanglement and noise between spin qubits induced by Majorana bound states. 2015 , 379, 170-174	5
910	Topological quantum phase transitions and edge states in spin-orbital coupled Fermi gases. 2014 , 4, 5218	9
909	Measurement-only topological quantum computation without forced measurements. 2016 , 18, 123027	10
908	Hard gap in a normal layer coupled to a superconductor. 2016 , 94,	17
907	Entangled states of two quantum dots mediated by Majorana fermions. 2016 , 18, 023005	1
906	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. 2016 , 28, 5013-7	22
905	Topological phase boundary in a generalized Kitaev model. 2016 , 25, 057101	6
904	Long-range Ising and Kitaev models: phases, correlations and edge modes. 2016 , 18, 015001	68
903	Tunneling magnetoresistance in junctions composed of ferromagnets and time-reversal invariant topological superconductors. 2016 , 18, 023031	1
902	Majorana bound states in a disordered quantum dot chain. 2016 , 18, 043033	25
901	Generic technique to grow III-V semiconductor nanowires in a closed glass vessel. 2016 , 6, 065311	1
900	k.p theory of freestanding narrow band gap semiconductor nanowires. 2016 , 6, 125109	13
899	Theory of spin-selective Andreev reflection in the vortex core of a topological superconductor. 2016 , 94,	34
898	Probing atomic structure and Majorana wavefunctions in mono-atomic Fe chains on superconducting Pb surface. 2016 , 2,	213
897	Hybrid superconductor-quantum point contact devices using InSb nanowires. 2016 , 109, 233502	12
896	Manipulating Majorana zero modes on atomic rings with an external magnetic field. 2016 , 7, 10395	45

895	Physics of Majorana modes in interacting helical liquid. 2016 , 6, 30569	11
894	Anomalous Conductances in an Ultracold Quantum Wire. 2016 , 117, 255302	16
893	Topological Superfluid in a Fermi-Bose Mixture with a High Critical Temperature. 2016 , 117, 245302	30
892	Dynamic response functions and helical gaps in interacting Rashba nanowires with and without magnetic fields. 2016 , 94,	18
891	Manipulation of Majorana states in X-junction geometries. 2016 , 49, 315301	1
890	Topological superfluidity of lattice fermions inside a Bose-Einstein condensate. 2016 , 94,	13
889	Majorana bound state in a coupled quantum-dot hybrid-nanowire system. 2016 , 354, 1557-1562	581
888	Quantum information sharing between topologically distinct platforms. 2016 , 94,	
887	Dynamic shot noise in a quantum dot coupled with Majorana fermions under the perturbation of microwave fields. 2016 , 89, 1	4
886	Band-inverted gaps in InAs/GaSb and GaSb/InAs core-shell nanowires. 2016 , 6, 38698	7
885	Dynamical quantum phase transitions (Review Article). 2016 , 42, 971-994	58
884	Revealing the band structure of InSb nanowires by high-field magnetotransport in the quasiballistic regime. 2016 , 94,	2
883	Majorana bound states from exceptional points in non-topological superconductors. 2016 , 6, 21427	133
882	Electronic structures of [1 1 1]-oriented free-standing InAs and InP nanowires. 2016 , 28, 135303	6
881	Non-equilibrium Josephson effect in atomic Kitaev wires. 2016 , 7, 12280	2
880	Josephson current through a quantum dot coupled to a Majorana zero mode. 2016 , 28, 175301	2
879	Verifying non-Abelian statistics by numerical braiding Majorana fermions. 2016 , 380, 779-782	5
878	Effect of a tunnel barrier on the scattering from a Majorana bound state in an Andreev billiard. 2016 , 77, 54-64	2

877	Indium Antimonide Nanowires: Synthesis and Properties. 2016 , 11, 164		11
876	Reprint of : Majorana fermion fingerprints in spin-polarised scanning tunnelling microscopy. 2016 , 82, 236-246		0
875	Induced Superconductivity and Engineered Josephson Tunneling Devices in Epitaxial (111)-Oriented Gold/Vanadium Heterostructures. <i>Nano Letters</i> , 2016 , 16, 2714-9	11.5	6
874	Conductance Quantization at Zero Magnetic Field in InSb Nanowires. <i>Nano Letters</i> , 2016 , 16, 3482-6	11.5	71
873	Transformation from Cu ₂ S Nanodisks to Cu ₂ ₂ Heteronanodisks via Cation Exchange. 2016 , 28, 3337-3344		33
872	Visible Light-Assisted High-Performance Mid-Infrared Photodetectors Based on Single InAs Nanowire. <i>Nano Letters</i> , 2016 , 16, 6416-6424	11.5	90
871	Andreev and Majorana bound states in single and double quantum dot structures. 2016 , 28, 435702		8
870	Signatures of Majorana Kramers pairs in superconductor-Luttinger liquid and superconductor-quantum dot-normal lead junctions. 2016 , 94,		7
869	Quantum charge fluctuations of a proximitized nanowire. 2016 , 94,		10
868	Interaction-driven topological superconductivity in one dimension. 2016 , 94,		21
867	Flux-driven quantum phase transitions in two-leg Kitaev ladder topological superconductor systems. 2016 , 380, 3936-3941		8
866	Readout of Majorana parity states using a quantum dot. 2016 , 94,		22
865	Detection of Majorana Kramers Pairs Using a Quantum Point Contact. 2016 , 117, 046804		24
864	Majorana wave-function oscillations, fermion parity switches, and disorder in Kitaev chains. 2016 , 94,		39
863	The Nature and Correction of Diabatic Errors in Anyon Braiding. 2016 , 6,		39
862	Determining the spin-orbit coupling via spin-polarized spectroscopy of magnetic impurities. 2016 , 94,		10
861	First-principles studies of orbital and spin-orbit properties of GaAs, GaSb, InAs, and InSb zinc-blende and wurtzite semiconductors. 2016 , 94,		38
860	Synthesizing Majorana zero-energy modes in a periodically gated quantum wire. 2016 , 94,		5

859	No-go theorem for a time-reversal invariant topological phase in noninteracting systems coupled to conventional superconductors. 2016 , 94,	24
858	Interaction effects in superconductor/quantum spin Hall devices: Universal transport signatures and fractional Coulomb blockade. 2016 , 94,	4
857	Quantum Devices. 2016 , 177-201	
856	Milestones Toward Majorana-Based Quantum Computing. 2016 , 6,	258
855	Signatures of topological Josephson junctions. 2016 , 94,	43
854	Topological Phases in $\text{InAs}_{1-x}\text{Sb}_x$: From Novel Topological Semimetal to Majorana Wire. 2016 , 117, 076403	76
853	Majorana spintronics. 2016 , 94,	22
852	Topological phases and transport properties of screened interacting quantum wires. 2016 , 380, 3534-3540	2
851	Classification of topological quantum matter with symmetries. 2016 , 88,	1093
850	Self-nucleation growth of InSb nanowires based on indium droplets under the assistance of Au nano-particles by MOCVD. 2016 , 185, 77-80	5
849	Wireless Majorana Bound States: From Magnetic Tunability to Braiding. 2016 , 117, 077002	40
848	Helical gaps in interacting Rashba wires at low electron densities. 2016 , 94,	9
847	Topological massive Dirac edge modes and long-range superconducting Hamiltonians. 2016 , 94,	60
846	Large thermoelectric power and figure of merit in a ferromagnetic quantum dot superconducting device. 2016 , 94,	25
845	Symmetry reduction and boundary modes for Fe chains on an s-wave superconductor. 2016 , 28, 475701	
844	Tunable Majorana fermion from Landau quantization in 2D topological superconductors. 2016 , 94,	12
843	Polygon sign rules of Majorana fermions in two-dimensional topological superconductors. 2016 , 30, 1650213	
842	Non-Kondo many-body physics in a Majorana-based Kondo type system. 2016 , 94,	6

841	Zeeman-field-induced nontrivial topological phases in a one-dimensional spin-orbit-coupled dimerized lattice. 2016 , 94,	12
840	Electrical tuning of Rashba spin-orbit interaction in multigated InAs nanowires. 2016 , 94,	43
839	Universal quantum computation with hybrid spin-Majorana qubits. 2016 , 94,	60
838	Perfect Zitterbewegung oscillations in the Kitaev chain system. 2016 , 93,	2
837	Continuous error correction for Ising anyons. 2016 , 93,	6
836	One-dimensional topological chains with Majorana fermions in two-dimensional nontopological optical lattices. 2016 , 93,	1
835	Suppression of Coulomb blockade peaks by electronic correlations in InAs nanowires. 2016 , 93,	7
834	Electron spin rotations induced by oscillating Rashba interaction in a quantum wire. 2016 , 93,	14
833	Josephson effect in multiterminal superconductor-ferromagnet junctions coupled via triplet components. 2016 , 93,	3
832	Optimizing spin-orbit splittings in InSb Majorana nanowires. 2016 , 93,	13
831	Josephson current between topological and conventional superconductors. 2016 , 93,	16
830	Self-organized topological superconductivity in a Yu-Shiba-Rusinov chain. 2016 , 93,	37
829	Majorana bound states in open quasi-one-dimensional and two-dimensional systems with transverse Rashba coupling. 2016 , 93,	29
828	Anomalous Josephson effect in semiconducting nanowires as a signature of the topologically nontrivial phase. 2016 , 93,	24
827	Interplay between Coulomb blockade and Josephson effect in a topological superconductor quantum dot device. 2016 , 93,	2
826	Tunneling conductance for Majorana fermions in spin-orbit coupled semiconductor-superconductor heterostructures using superconducting leads. 2016 , 93,	9
825	Luttinger liquid in contact with a Kramers pair of Majorana bound states. 2016 , 93,	16
824	Signatures of Majorana fermions in an elliptical quantum ring. 2016 , 93,	15

823	Topologically induced fermion parity flips in superconductor vortices. 2016 , 93,	3
822	Enhanced current noise correlations in a Coulomb-Majorana device. 2016 , 93,	10
821	Time scales for Majorana manipulation using Coulomb blockade in gate-controlled superconducting nanowires. 2016 , 94,	19
820	Tunable Splitting of the Ground-State Degeneracy in Quasi-One-Dimensional Parafermion Systems. 2016 , 116, 106405	9
819	Fingerprints of Majorana Bound States in Aharonov-Bohm Geometry. 2016 , 116, 166401	22
818	Topological Floquet Phases in Driven Coupled Rashba Nanowires. 2016 , 116, 176401	89
817	General Conditions for Proximity-Induced Odd-Frequency Superconductivity in Two-Dimensional Electronic Systems. 2016 , 116, 257001	26
816	Quantum critical points in tunneling junction of topological superconductor and topological insulator. 2016 , 380, 2993-2998	2
815	Degeneracy of Majorana bound states and fractional Josephson effect in a dirty SNS junction. 2016 , 28, 375702	7
814	Topological superconductivity in a multichannel Yu-Shiba-Rusinov chain. 2016 , 93,	19
813	Dynamical topological order parameters far from equilibrium. 2016 , 93,	119
812	Two-dimensional epitaxial superconductor-semiconductor heterostructures: A platform for topological superconducting networks. 2016 , 93,	141
811	Ising superconductivity and Majorana fermions in transition-metal dichalcogenides. 2016 , 93,	83
810	Tricritical Ising phase transition in a two-ladder Majorana fermion lattice. 2016 , 93,	10
809	Topological superconductivity in quantum Hall superconductor hybrid systems. 2016 , 93,	4
808	Conductance of a proximitized nanowire in the Coulomb blockade regime. 2016 , 93,	69
807	Orbital effect of magnetic field on the Majorana phase diagram. 2016 , 93,	51
806	Approaching a topological phase transition in Majorana nanowires. 2016 , 93,	34

805	Majorana Zero Mode Detected with Spin Selective Andreev Reflection in the Vortex of a Topological Superconductor. 2016 , 116, 257003	343
804	A Practical Phase Gate for Producing Bell Violations in Majorana Wires. 2016 , 6,	20
803	Spatially resolved gap closing in single Josephson junctions constructed on Bi ₂ Te ₃ surface. 2016 , 25, 117402	3
802	Strain-induced topological phase transition at zigzag edges of monolayer transition-metal dichalcogenides. 2016 , 94,	14
801	Robust signatures detection of Majorana fermions in superconducting iron chains. 2016 , 6, 36600	5
800	Signatures of time-reversal-invariant topological superconductivity in the Josephson effect. 2016 , 94,	11
799	Magnetic-field-induced topological reorganization of a p-wave superconductor. 2016 , 94,	14
798	Helical Majorana fermions in $d(x^2-y^2) + id(xy)$ -wave topological superconductivity of doped correlated quantum spin Hall insulators. 2016 , 6, 24102	10
797	Coherent Charge Transport in Ballistic InSb Nanowire Josephson Junctions. 2016 , 6, 24822	21
796	Quantization of conductance minimum and index theorem. 2016 , 94,	15
795	How to infer non-Abelian statistics and topological visibility from tunneling conductance properties of realistic Majorana nanowires. 2016 , 94,	35
794	Platform for engineering topological superconductors: Superlattices on Rashba superconductors. 2016 , 94,	4
793	Universal Geometric Path to a Robust Majorana Magic Gate. 2016 , 6,	42
792	Quantized Conductance and Large g-Factor Anisotropy in InSb Quantum Point Contacts. <i>Nano Letters</i> , 2016 , 16, 7509-7513	11.5 31
791	Quantized conductance doubling and hard gap in a two-dimensional semiconductor-superconductor heterostructure. 2016 , 7, 12841	106
790	Transport properties of a quantum dot-mediated fractional Josephson junction. 2016 , 28, 505301	5
789	Thermoelectric transport through Majorana bound states and violation of Wiedemann-Franz law. 2016 , 94,	18
788	Proximity effect and Majorana bound states in clean semiconductor nanowires coupled to disordered superconductors. 2016 , 94,	36

787	Theory of time-reversal topological superconductivity in double Rashba wires: symmetries of Cooper pairs and Andreev bound states. 2016 , 2016, 083101	36
786	Signature of a topological phase transition in long SN junctions in the spin-polarized density of states. 2016 , 115, 47005	9
785	Fano Resonances Can Provide Two Criteria to Distinguish Majorana Bound States from Other Candidates in Experiments. 2016 , 33, 057402	7
784	Quantum gates by periodic driving. 2016 , 6, 22077	4
783	Multifarious topological quantum phase transitions in two-dimensional topological superconductors. 2016 , 6, 28471	4
782	Anomalous thermoelectric properties in double quantum dots coupled with Majorana bound states. 2016 , 6, 125032	1
781	Symmetry-protected non-Abelian braiding of Majorana Kramers pairs. 2016 , 94,	13
780	Simulating the exchange of Majorana zero modes with a photonic system. 2016 , 7, 13194	21
779	Effects of the electrostatic environment on the Majorana nanowire devices. 2016 , 18, 033013	44
778	Majorana Fermion in Superconducting Island on Top of Topological Insulator. 2016 , 29, 1123-1125	1
777	Majorana Fermions and Topology in Superconductors. 2016 , 85, 072001	178
776	Detecting Majorana fermions by use of superconductor-quantum Hall liquid junctions. 2016 , 114, 27001	5
775	Symmetry-Protected Topological Superfluids and Superconductors [From the Basics to $^3\text{He-B}$] 2016 , 85, 022001	74
774	Shot noise in a toroidal carbon nanotube coupled with Majorana fermion states. 2016 , 380, 1378-1384	4
773	Schottky barrier and contact resistance of InSb nanowire field-effect transistors. 2016 , 27, 275204	10
772	Reprint of : Finite-frequency noise in a topological superconducting wire. 2016 , 82, 254-260	1
771	Growth of High Material Quality Group III-Antimonide Semiconductor Nanowires by a Naturally Cooling Process. 2016 , 11, 222	4
770	A road to reality with topological superconductors. 2016 , 12, 618-621	58

769	Quasiperiodicity and topology transcend dimensions. 2016 , 12, 624-626		36
768	Helical Spin Texture and Interference of Majorana Bound States in One-Dimensional Topological Superconductor. 2016 , 85, 013701		1
767	Free-Standing Two-Dimensional Single-Crystalline InSb Nanosheets. <i>Nano Letters</i> , 2016 , 16, 834-41	11.5	59
766	Interplay of spin-orbit coupling and superconducting correlations in germanium telluride thin films. 2016 , 10, 253-259		15
765	Reprint of : Floquet Majorana fermions in superconducting quantum dots. 2016 , 82, 266-271		
764	Crystal Phase Transformation in Self-Assembled InAs Nanowire Junctions on Patterned Si Substrates. <i>Nano Letters</i> , 2016 , 16, 1933-41	11.5	24
763	Exceptional point description of one-dimensional chiral topological superconductors/superfluids in BDI class. 2016 , 79, 180-187		8
762	Majorana Mass Fermions as Untrue Majorana Particles, Rather Endowed with Pseudoscalar-Type Charges than Genuinely Neutral. 2016 , 55, 1775-1797		1
761	Transport across a system with three p-wave superconducting wires: effects of Majorana modes and interactions. 2016 , 89, 1		5
760	Fano effect in an AB interferometer with a quantum dot side-coupled to a single Majorana bound state. 2016 , 380, 951-957		10
759	Resonant Andreev reflection in a normal-metal/quantum-dot/superconductor system with coupled Majorana bound states. 2016 , 25, 037304		4
758	Reprint of : Effect of a tunnel barrier on the scattering from a Majorana bound state in an Andreev billiard. 2016 , 82, 106-116		1
757	Globally symmetric topological phase: from anyonic symmetry to twist defect. 2016 , 28, 143001		15
756	Exponential protection of zero modes in Majorana islands. 2016 , 531, 206-9		675
755	Twin-Induced InSb Nanosails: A Convenient High Mobility Quantum System. <i>Nano Letters</i> , 2016 , 16, 825-33.5		61
754	Observation of superconductivity induced by a point contact on 3D Dirac semimetal Cd ₃ As ₂ crystals. 2016 , 15, 38-42		168
753	Finite-frequency noise in a topological superconducting wire. 2016 , 75, 15-21		16
752	Conductance spectroscopy of nontopological-topological superconductor junctions. 2017 , 95,		14

751	Extended Majorana zero modes in a topological superconducting-normal T-junction. 2017 , 29, 105602	6
750	Current distributions in stripe Majorana junctions. 2017 , 90, 1	8
749	Majorana fermions in condensed matter: An outlook. 2017 , 512, 100-101	3
748	Spin Seebeck effect in quantum dot side-coupled to topological superconductor. 2017 , 29, 095301	12
747	Discovery of tip induced unconventional superconductivity on Weyl semimetal. 2017 , 62, 425-430	54
746	Ballistic transport and quantum interference in InSb nanowire devices. 2017 , 26, 027305	4
745	Two-Dimensional Platform for Networks of Majorana Bound States. 2017 , 118, 107701	79
744	Exotic topological states with Raman-induced spin-orbit coupling. 2017 , 95,	2
743	Disorder-induced topological transitions in multichannel Majorana wires. 2017 , 95,	8
742	Anomalous Fraunhofer interference in epitaxial superconductor-semiconductor Josephson junctions. 2017 , 95,	37
741	Combined Effect of External Periodic and Constant Electric Fields on Electron Transport in Carbon Nanotubes and Nanoribbons with Metallic Conductivity. 2017 , 86, 034712	5
740	Ballistic one-dimensional transport in InAs nanowires monolithically integrated on silicon. 2017 , 110, 083105	17
739	Foreign-catalyst-free growth of InAs/InSb axial heterostructure nanowires on Si (111) by molecular-beam epitaxy. 2017 , 28, 135704	11
738	Spin-orbit coupling in quasi-one-dimensional Wigner crystals. 2017 , 95,	3
737	Anyon chains with pairing terms. 2017 , 50, 135201	1
736	Triplet p-wave pairing correlation in low-doped zigzag graphene nanoribbons. 2017 , 7, 42262	2
735	Disordered Kitaev chains with long-range pairing. 2017 , 29, 115401	4
734	Topological superconductors: a review. 2017 , 80, 076501	590

733	The simulation of non-Abelian statistics of Majorana fermions in Ising chain with Z2 symmetry. 2017 , 31, 1750123		3
732	Odd-frequency superconductivity induced in topological insulators with and without hexagonal warping. 2017 , 29, 295502		7
731	Synthesis of Mn-doped indium antimonide nanowires by multi-step depositions and annealing. 2017 , 110, 43-48		1
730	Tilting Catalyst-Free InAs Nanowires by 3D-Twinning and Unusual Growth Directions. 2017 , 17, 3596-3605		4
729	Quantum transport in Dirac and Weyl semimetals: a review. 2017 , 2, 518-544		57
728	Inducing superconductivity in Weyl semimetal microstructures by selective ion sputtering. 2017 , 3, e1602983		51
727	Coherent Transport in a Linear Triple Quantum Dot Made from a Pure-Phase InAs Nanowire. <i>Nano Letters</i> , 2017 , 17, 4158-4164	11.5	13
726	Role of dissipation in realistic Majorana nanowires. 2017 , 95,		45
725	Majorana zero mode in the vortex of an artificial topological superconductor. 2017 , 60, 1		12
724	Hard Superconducting Gap in InSb Nanowires. <i>Nano Letters</i> , 2017 , 17, 2690-2696	11.5	80
723	Optimization of metamorphic buffers for MBE growth of high quality AlInSb/InSb quantum structures: Suppression of hillock formation. 2017 , 477, 7-11		7
722	Composition of Gold Alloy Seeded InGaAs Nanowires in the Nucleation Limited Regime. 2017 , 17, 1630-1635		22
721	Direct Cavity Detection of Majorana Pairs. 2017 , 118, 126803		23
720	Ballistic One-Dimensional InAs Nanowire Cross-Junction Interconnects. <i>Nano Letters</i> , 2017 , 17, 2596-2602	11.5	33
719	Transport Signatures of Quasiparticle Poisoning in a Majorana Island. 2017 , 118, 137701		62
718	Majorana dc Josephson current mediated by a quantum dot. 2017 , 29, 195301		8
717	Temperature monitoring of narrow bandgap semiconductors. 2017 , 35, 02B102		5
716	Nb/InAs nanowire proximity junctions from Josephson to quantum dot regimes. 2017 , 28, 085202		13

715	Real Space Renormalization of Majorana Fermions in Quantum Nano-Wire Superconductors. 2017 , 86, 024008	5
714	Fibonacci anyons and charge density order in the 12/5 and 13/5 quantum Hall plateaus. 2017 , 95,	18
713	Magnetic susceptibility of Dirac fermions, Bi-Sb alloys, interacting Bloch fermions, dilute nonmagnetic alloys, and Kondo alloys. 2017 , 508, 69-97	1
712	Tuning growth direction of catalyst-free InAs(Sb) nanowires with indium droplets. 2017 , 28, 054001	20
711	Effect of random field disorder on topological superconductors. 2017 , 7, 13811	1
710	Testing the formation of Majorana states using Majorana polarization. 2017 , 18, 349-357	6
709	Nematic topological superconducting phase in Nb-doped Bi ₂ Se ₃ . 2017 , 2,	41
708	Characterizations of topological superconductors: Chern numbers, edge states and Majorana zero modes. 2017 , 19, 093018	5
707	Probability and braiding statistics in Majorana nanowires. 2017 , 95,	9
706	Zero-Energy Modes from Coalescing Andreev States in a Two-Dimensional Semiconductor-Superconductor Hybrid Platform. 2017 , 119, 176805	129
705	Ising anyonic topological phase of interacting fermions in one dimension. 2017 , 96,	5
704	Majorana states in prismatic core-shell nanowires. 2017 , 96,	21
703	Transport in superconductor/normal metal/superconductor tunneling structures: Spinful p-wave and spin-orbit-coupled topological wires. 2017 , 95,	7
702	Generalized parafermions and nonlocal Josephson effect in multilayer systems. 2017 , 95,	6
701	Influence of the orbital effects on the Majorana quasi-particles in a nanowire. 2017 , 29, 495301	12
700	Floquet engineering of long-range p-wave superconductivity: Beyond the high-frequency limit. 2017 , 96,	10
699	Missing Shapiro steps and the 8E-periodic Josephson effect in interacting helical electron systems. 2017 , 96,	15
698	Transport properties of a hybrid Majorana wire-quantum dot system with ferromagnetic contacts. 2017 , 95,	27

697	Generating end modes in a superconducting wire by periodic driving of the hopping. 2017 , 95,	7
696	Fermion parity flips and Majorana bound states at twist defects in superconducting fractional topological phases. 2017 , 95,	5
695	Time-reversal-invariant topological superfluids in Bose-Fermi mixtures. 2017 , 96,	8
694	Majorana π -junction in a disordered spin-orbit coupling nanowire with tilted magnetic field. 2017 , 543, 22-26	3
693	Understanding the vapor-liquid-solid growth and composition of ternary III-V nanowires and nanowire heterostructures. 2017 , 50, 453001	14
692	Electron transport lifetimes in InSb/Al _{1-x} In _x Sb quantum well 2DEGs. 2017 , 32, 085002	6
691	Introduction. 2017 , 1-16	
690	Majorana Fermions in Topological Insulators. 2017 , 189-206	0
689	Survival probability in a quenched Majorana chain with an impurity. 2017 , 96, 022136	3
688	Manipulating Andreev and Majorana Resonances in Nanowires. 2017 , 101-123	
687	Optimal diabatic dynamics of Majorana-based quantum gates. 2017 , 96,	11
686	Multiple Majorana zero modes in atomic Fermi double wires with spin-orbit coupling. 2017 , 96,	0
685	Andreev bound states versus Majorana bound states in quantum dot-nanowire-superconductor hybrid structures: Trivial versus topological zero-bias conductance peaks. 2017 , 96,	199
684	Phenomenology of the soft gap, zero-bias peak, and zero-mode splitting in ideal Majorana nanowires. 2017 , 96,	20
683	Shiba Bound States across the Mobility Edge in Doped InAs Nanowires. 2017 , 119, 097701	7
682	A specific mapping between topological superconductors and topological insulators. 2017 , 118, 61002	
681	Driving topological phases by spatially inhomogeneous pairing centers. 2017 , 95,	5
680	Conductance spectroscopy on Majorana wires and the inverse proximity effect. 2017 , 96,	19

679	Quantum Criticality in Resonant Andreev Conduction. 2017 , 119, 116802	6
678	Synthesis of Superconductor-Topological Insulator Hybrid Nanoribbon Structures. 2017 , 12, 1750095	
677	Braiding errors in interacting Majorana quantum wires. 2017 , 96,	14
676	Finite-size effects in a nanowire strongly coupled to a thin superconducting shell. 2017 , 96,	30
675	Cavity QED with hybrid nanocircuits: from atomic-like physics to condensed matter phenomena. 2017 , 29, 433002	31
674	Detecting topological superconductivity using low-frequency doubled Shapiro steps. 2017 , 95,	19
673	0π phase transition in hybrid superconductor/InSb nanowire quantum dot devices. 2017 , 95,	24
672	Tuning pairing amplitude and spin-triplet texture by curving superconducting nanostructures. 2017 , 96,	15
671	Detecting fractional Josephson effect through 4π phase slip. 2017 , 118, 57005	2
670	Thermoelectric properties of a ferromagnet-superconductor hybrid junction: Role of interfacial Rashba spin-orbit interaction. 2017 , 96,	14
669	Effects of domain walls in quantum anomalous Hall insulator/superconductor heterostructures. 2017 , 96,	19
668	Black Hole on a Chip: Proposal for a Physical Realization of the Sachdev-Ye-Kitaev model in a Solid-State System. 2017 , 7,	53
667	Magnetic impurities in spin-split superconductors. 2017 , 95,	7
666	Orbital Contributions to the Electron g Factor in Semiconductor Nanowires. 2017 , 119, 037701	34
665	Floquet Majorana fermions and parafermions in driven Rashba nanowires. 2017 , 95,	59
664	Coulomb blockade in fractional topological superconductors. 2017 , 96,	5
663	Proximity-induced low-energy renormalization in hybrid semiconductor-superconductor Majorana structures. 2017 , 96,	27
662	Generic Theory for Majorana Zero Modes in 2D Superconductors. 2017 , 119, 047001	28

661	Triplet p-wave pairing correlation in low-doped zigzag graphene nanoribbons. 2017 , 7, 19	4
660	Majorana fermions in topological-insulator nanowires: From single superconducting nanowires to Josephson junctions. 2017 , 95,	6
659	Effect of magnetic field and Rashba spin-orbit interaction on the Josephson tunneling between superconducting nanowires. 2017 , 96,	5
658	Josephson flux-flow oscillator: The microscopic tunneling approach. 2017 , 96,	15
657	Low-field electron mobility of InSb nanowires: Numerical efforts to larger cross sections. 2017 , 7, 2576	1
656	Coupling and braiding Majorana bound states in networks defined in two-dimensional electron gases with proximity-induced superconductivity. 2017 , 96,	25
655	Spin-dependent coupling between quantum dots and topological quantum wires. 2017 , 96,	40
654	A Study of Topological Quantum Phase Transition and Majorana Localization Length for the Interacting Helical Liquid System. 2017 , 86, 074002	1
653	Engineering the coupling between Majorana bound states. 2017 , 381, 3043-3048	2
652	Destructive interference of direct and crossed Andreev pairing in a system of two nanowires coupled via an s-wave superconductor. 2017 , 96,	22
651	Odd-frequency superconductivity in a nanowire coupled to Majorana zero modes. 2017 , 95,	18
650	Conductance of a superconducting Coulomb-blockaded Majorana nanowire. 2017 , 96,	37
649	Transport through a Majorana Island in the Strong Tunneling Regime. 2017 , 119, 057002	8
648	Isolating Majorana fermions with finite Kitaev nanowires and temperature: Universality of the zero-bias conductance. 2017 , 96,	5
647	Origin of bias-independent conductance plateaus and zero-bias conductance peaks in Bi ₂ Se ₃ /NbSe ₂ hybrid structures. 2017 , 96,	11
646	Spin-pairing correlations and spin polarization of Majorana bound states in two-dimensional topological-insulator systems. 2017 , 96,	7
645	Measuring Majorana nonlocality and spin structure with a quantum dot. 2017 , 96,	115
644	Characterization and optical properties of TeO ₂ /ZnO nanocomposites synthesized in a narrow temperature range. 2017 , 4, 085018	1

643	Majorana fermions in the nonuniform Ising-Kitaev chain: exact solution. 2017 , 7, 1447	6
642	Conductance oscillations and zero-bias anomaly in a single superconducting junction to a three-dimensional Bi ₂ Te ₃ topological insulator. 2017 , 119, 57009	6
641	Polynomial description of inhomogeneous topological superconducting wires. 2017 , 29, 475503	1
640	Even-odd interference effect in a topological superconducting wire. 2017 , 96,	9
639	Bulk boundary correspondence and the existence of Majorana bound states on the edges of 2D topological superconductors. 2017 , 96,	11
638	Experimentally accessible topological quality factor for wires with zero energy modes. 2017 , 96,	42
637	Majorana splitting from critical currents in Josephson junctions. 2017 , 96,	50
636	Realizing topological superconductivity with superlattices. 2017 , 96,	10
635	Magnetization-induced dynamics of a Josephson junction coupled to a nanomagnet. 2017 , 96,	5
634	Electron temperature and tunnel coupling dependence of zero-bias and almost-zero-bias conductance peaks in Majorana nanowires. 2017 , 96,	42
633	Controlling the bound states in a quantum-dot hybrid nanowire. 2017 , 96,	53
632	Z ₃ Parafermionic Zero Modes without Andreev Backscattering from the 2/3 Fractional Quantum Hall State. 2017 , 119, 217701	9
631	Vortex pinning by the point potential in topological superconductors: A scheme for braiding Majorana bound states. 2017 , 96,	6
630	DIII topological superconductivity with emergent time-reversal symmetry. 2017 , 96,	20
629	Supercurrent Interference in Few-Mode Nanowire Josephson Junctions. 2017 , 119, 187704	28
628	Micro-Raman spectroscopy for the detection of stacking fault density in InAs and GaAs nanowires. 2017 , 96,	4
627	Majorana fermions in finite-size strips with in-plane magnetic fields. 2017 , 90, 1	10
626	Tunable topological phases with fermionic atoms in a one-dimensional flux lattice. 2017 , 96,	3

625	Tunable magnetic textures: From Majorana bound states to braiding. 2017 , 262, 1-6	28
624	Topological Quantum Phase Transition and Local Topological Order in a Strongly Interacting Light-Matter System. 2017 , 7, 1840	7
623	Interaction effects in a microscopic quantum wire model with strong spin-orbit interaction. 2017 , 19, 063009	6
622	Persistent current and zero-energy Majorana modes in a p-wave disordered superconducting ring. 2017 , 95,	18
621	Majorana Zero Modes Protected by a Hopf Invariant in Topologically Trivial Superconductors. 2017 , 118, 147003	19
620	Majorana Quasiparticles Protected by Z_2 Angular Momentum Conservation. 2017 , 118, 200404	14
619	Giant Magnetic Band Gap in the Rashba-Split Surface State of Vanadium-Doped BiTeI: A Combined Photoemission and Ab Initio Study. 2017 , 7, 3353	11
618	Zero-energy pinning from interactions in Majorana nanowires. 2017 , 2,	37
617	Detection of Majorana zero mode in the vortex. 2017 , 2,	29
616	Topological phase transition and charge pumping in a one-dimensional periodically driven optical lattice. 2017 , 96,	9
615	Controlling Majorana states in topologically inhomogeneous superconductors. 2017 , 95,	16
614	Ballistic superconductivity in semiconductor nanowires. 2017 , 8, 16025	136
613	Exact zero modes in twisted Kitaev chains. 2017 , 95,	26
612	Spin and charge signatures of topological superconductivity in Rashba nanowires. 2017 , 96,	34
611	Scalable designs for quasiparticle-poisoning-protected topological quantum computation with Majorana zero modes. 2017 , 95,	305
610	Determination of the transport lifetime limiting scattering rate in InSb/Al _x In _{1-x} Sb quantum wells using optical surface microscopy. 2017 , 91, 169-172	2
609	Observation of Conductance Quantization in InSb Nanowire Networks. <i>Nano Letters</i> , 2017 , 17, 6511-6515	27
608	Nonequilibrium dynamics of a system with two kinds of fermions after a pulse. 2017 , 95,	8

607	Non-Abelian Majorana Modes Protected by an Emergent Second Chern Number. 2017 , 118, 207002	23
606	Majorana Fermions in Particle Physics, Solid State and Quantum Information. 2017 , 77-121	1
605	Normal, superconducting and topological regimes of hybrid double quantum dots. 2017 , 12, 212-217	31
604	InSb Nanowires with Built-In GaInSb Tunnel Barriers for Majorana Devices. <i>Nano Letters</i> , 2017 , 17, 721-727.5	6
603	High-resolution studies of the Majorana atomic chain platform. 2017 , 13, 286-291	123
602	Transport through a quantum dot coupled to two Majorana bound states. 2017 , 12, 1	16
601	Majorana fermion wavefunctions in carbon nanotubes and carbynes. 2017 , 31, 1750017	2
600	Robustness of Majorana edge modes and topological order: Exact results for the symmetric interacting Kitaev chain with disorder. 2017 , 96,	16
599	Non-Local Spin Blocking Effect of Zero-Energy Majorana Fermions. 2017 , 86, 124715	6
598	Prethermal Strong Zero Modes and Topological Qubits. 2017 , 7,	40
597	Tunneling conductance in semiconductor-superconductor hybrid structures. 2017 , 96,	11
596	Supersymmetry in closed chains of coupled Majorana modes. 2017 , 96,	4
595	Frustration-free Hamiltonians supporting Majorana zero edge modes. 2017 , 19, 103034	2
594	Coherent charge transport in ferromagnet/semiconductor nanowire/ferromagnet double barrier junctions with the interplay of Rashba spin-orbit coupling, induced superconducting pair potential, and external magnetic field. 2017 , 26, 077201	
593	Localization enhanced and degraded topological order in interacting p-wave wires. 2018 , 97,	5
592	Nodal s-wave superconductivity in antiferromagnetic semimetals. 2018 , 97,	5
591	Quench dynamics of the Josephson current in a topological Josephson junction. 2018 , 97,	12
590	Majorana quasiparticles in semiconducting carbon nanotubes. 2018 , 97,	16

589	Dephasing of Majorana-based qubits. 2018 , 97,	39
588	Analytic ground state wave functions of mean-field px+ipy superconductors with vortices and boundaries. 2018 , 97,	3
587	Towards the manipulation of topological states of matter: a perspective from electron transport. 2018 , 63, 580-594	13
586	Decaying spectral oscillations in a Majorana wire with finite coherence length. 2018 , 97,	65
585	Effect of Interaction on the Majorana Zero Modes in the Kitaev Chain at Half Filling. 2018 , 35, 047101	2
584	Metallization of a Rashba wire by a superconducting layer in the strong-proximity regime. 2018 , 97,	41
583	Zn clock models and chains of $so(n)_2$ non-Abelian anyons: symmetries, integrable points and low energy properties. 2018 , 2018, 023103	3
582	Topological edge states and impurities: Manifestation in the local static and dynamical characteristics of dimerized quantum chains. 2018 , 97,	2
581	Two-terminal charge tunneling: Disentangling Majorana zero modes from partially separated Andreev bound states in semiconductor-superconductor heterostructures. 2018 , 97,	109
580	Suppression of the overlap between Majorana fermions by orbital magnetic effects in semiconducting-superconducting nanowires. 2018 , 97,	18
579	Distinguishing Majorana bound states from localized Andreev bound states by interferometry. 2018 , 97,	39
578	Majorana zero modes and long range edge correlation in interacting Kitaev chains: analytic solutions and density-matrix-renormalization-group study. 2018 , 8, 488	3
577	Surface Andreev Bound States and Odd-Frequency Pairing in Topological Superconductor Junctions. 2018 , 191, 61-83	3
576	Strain manipulation of Majorana fermions in graphene armchair nanoribbons. 2018 , 97,	4
575	Dirac-, Rashba-, and Weyl-type spin-orbit couplings: Toward experimental realization in ultracold atoms. 2018 , 97,	30
574	Conductance interference in a superconducting Coulomb blockaded Majorana ring. 2018 , 97,	14
573	Dynamic current susceptibility as a probe of Majorana bound states in nanowire-based Josephson junctions. 2018 , 97,	17
572	Localization and oscillations of Majorana fermions in a two-dimensional electron gas coupled with d-wave superconductors. 2018 , 97,	11

571	Majorana Kramers pairs in Rashba double nanowires with interactions and disorder. 2018 , 97,	24
570	Renormalization of the Majorana bound state decay length in a perpendicular magnetic field. 2018 , 97,	6
569	Roughness scattering induced insulator-metal-insulator transition in a quantum wire. 2018 , 97,	2
568	Quantum anomalous Hall Majorana platform. 2018 , 97,	15
567	Type-I and type-II topological nodal superconductors with s-wave interaction. 2018 , 97,	6
566	Crystal orientation dependence of the spin-orbit coupling in InAs nanowires. 2018 , 97,	10
565	Robust integer and fractional helical modes in the quantum Hall effect. 2018 , 14, 411-416	15
564	Andreev rectifier: A nonlocal conductance signature of topological phase transitions. 2018 , 97,	36
563	Detecting coupling of Majorana bound states with an Aharonov-Bohm interferometer. 2018 , 30, 045301	7
562	Ballistic Majorana nanowire devices. 2018 , 13, 192-197	185
561	Strong spin-orbit interaction and magnetotransport in semiconductor BiOSe nanoplates. 2018 , 10, 2704-2710	37
560	Decoherence of spin states induced by Rashba spin-orbit coupling. 2018 , 93, 025102	3
559	Chiral Topological Superconductors Enhanced by Long-Range Interactions. 2018 , 120, 017001	33
558	A possible target: triple-bonded indiumantimony molecules with high stability. 2018 , 42, 6932-6941	2
557	Topological phase diagrams and Majorana zero modes of the Kitaev ladder and tube. 2018 , 27, 047401	1
556	Local density of states in two-dimensional topological superconductors under a magnetic field: Signature of an exterior Majorana bound state. 2018 , 97,	5
555	Impurity-induced states in superconducting heterostructures. 2018 , 97,	13
554	Majorana zero modes in superconductor-semiconductor heterostructures. 2018 , 3, 52-68	435

553	Majorana spin in magnetic atomic chain systems. 2018 , 97,	21
552	Topological Junctions from Crossed Andreev Reflection in the Quantum Hall Regime. 2018 , 120, 116801	9
551	Template-Assisted Scalable Nanowire Networks. <i>Nano Letters</i> , 2018 , 18, 2666-2671	11.5 61
550	Quasi-one-dimensional quantum anomalous Hall systems as new platforms for scalable topological quantum computation. 2018 , 97,	28
549	Hidden chiral symmetries in BDI multichannel Kitaev chains. 2018 , 30, 175401	1
548	Distinguishing Majorana bound states and Andreev bound states with microwave spectra. 2018 , 30, 145402	1
547	Topological Fulde-Ferrell and Larkin-Ovchinnikov states in spin-orbit-coupled lattice system. 2018 , 13, 1-8	12
546	Majorana modes in solid state systems and its dynamics. 2018 , 13, 1	
545	Interference effects in the Aharonov-Bohm geometries with Majorana bound states. 2018 , 113, 25-33	5
544	Magnetic manipulation of topological states in p-wave superconductors. 2018 , 536, 730-733	6
543	The invisible Majorana bound state at the helical edge. 2018 , 227, 1377-1386	4
542	Robust topological phase in proximitized core-shell nanowires coupled to multiple superconductors. 2018 , 9, 1512-1526	10
541	Kinetic Stabilization of 1D Surface States near Twin Boundaries in Noncentrosymmetric BiPd. 2018 , 121, 206401	2
540	Four-Majorana qubit with charge readout: Dynamics and decoherence. 2018 , 98,	12
539	Effective long-range pairing and hopping in topological nanowires weakly coupled to s-wave superconductors. 2018 , 98,	4
538	Electric field tunable superconductor-semiconductor coupling in Majorana nanowires. 2018 , 20, 103049	44
537	Spin dependence of crossed Andreev reflection and electron tunneling induced by Majorana fermions. 2018 , 30, 505302	0
536	Majorana Kramers Pairs in Higher-Order Topological Insulators. 2018 , 121, 196801	96

535	Classical Analogies in the Solution of Quantum Many-Body Problems. 2018,	
534	Spatial Rabi oscillations between Majorana bound states and quantum dots. 2018, 9, 1527-1535	
533	Disorder-induced suppression of the zero-bias conductance peak splitting in topological superconducting nanowires. 2018, 9, 1358-1369	1
532	Quasiparticle gaps in multiprobe Majorana nanowires. 2018, 98,	9
531	Exact results for a Z ₃ -clock-type model and some close relatives. 2018, 98,	2
530	Time-quasiperiodic topological superconductors with Majorana multiplexing. 2018, 98,	20
529	Signatures of non-Abelian anyons in the thermodynamics of an interacting fermion model. 2018, 51, 195001	1
528	Rabi splitting and optical Kerr nonlinearity of quantum dot mediated by Majorana fermions. 2018, 8, 17677	3
527	Influence of the Majorana nonlocality on the supercurrent. 2018, 98,	7
526	Quantifying wave-function overlaps in inhomogeneous Majorana nanowires. 2018, 98,	30
525	Zero-energy Andreev bound states from quantum dots in proximitized Rashba nanowires. 2018, 98,	57
524	Mimicking black hole event horizons in atomic and solid-state systems. 2018, 3, 491-501	21
523	Ultrathin Films of Superconducting Metals as a Platform for Topological Superconductivity. 2018, 121, 227701	9
522	Designing Nanomagnet Arrays for Topological Nanowires in Silicon. 2018, 10,	12
521	Screening cloud and non-Fermi-liquid scattering in topological Kondo devices. 2018, 98,	1
520	Chiral Majorana fermion modes on the surface of superconducting topological insulators. 2018, 123, 47005	6
519	Majorana States. 2018, 357-412	
518	$\sqrt{2}$ -Josephson junction as a topological superconductor. 2018, 98,	4

517	Proposal for direct measuring of the Majorana number in a topological superconductor using a quantum dot. 2018 , 227, 1405-1411	0
516	Evolution of the transmission phase through a Coulomb-blockaded Majorana wire. 2018 , 98,	6
515	Selective-Area-Grown Semiconductor-Superconductor Hybrids: A Basis for Topological Networks. 2018 , 121, 147701	56
514	Protected gap closing in Josephson junctions constructed on Bi ₂ Te ₃ surface. 2018 , 98,	5
513	Renormalization of the quantum dot g-factor in superconducting Rashba nanowires. 2018 , 98,	9
512	Proximity effect in a two-dimensional electron gas coupled to a thin superconducting layer. 2018 , 9, 1263-1271	14
511	Revealing the interference effect of Majorana fermions in a topological Josephson junction. 2018 , 9, 520-529	1
510	Interaction-induced zero-energy pinning and quantum dot formation in Majorana nanowires. 2018 , 9, 2171-2180	20
509	Exact ground states for interacting Kitaev chains. 2018 , 98,	2
508	Metamorphosis of Andreev bound states into Majorana bound states in pristine nanowires. 2018 , 98,	22
507	Flux-stabilized Majorana zero modes in coupled one-dimensional Fermi wires. 2018 , 98,	8
506	Lifetime of Majorana qubits in Rashba nanowires with nonuniform chemical potential. 2018 , 98,	13
505	Finite length effect on supercurrents between trivial and topological superconductors. 2018 , 227, 1387-1396	8
504	Hysteresis from nonlinear dynamics of Majorana modes in topological Josephson junctions. 2018 , 98,	9
503	High-Temperature Majorana Corner States. 2018 , 121, 186801	103
502	Quantized zero-bias conductance plateau in semiconductor-superconductor heterostructures without topological Majorana zero modes. 2018 , 98,	74
501	Photonic implementation of Majorana-based Berry phases. 2018 , 4, eaat6533	5
500	Maximal distant entanglement in Kitaev tube. 2018 , 8, 12202	1

499	Phonon-induced Majorana qubit relaxation in tunnel-coupled two-island topological superconductors. 2018 , 98,		4
498	Selective-Area Superconductor Epitaxy to Ballistic Semiconductor Nanowires. <i>Nano Letters</i> , 2018 , 18, 6121-6128	11.5	11
497	Majorana-Hubbard model on the honeycomb lattice. 2018 , 98,		10
496	Topological phases in nodeless tetragonal superconductors. 2018 , 30, 395602		3
495	Andreev spectrum and supercurrents in nanowire-based SNS junctions containing Majorana bound states. 2018 , 9, 1339-1357		32
494	Entanglement generation of two quantum dots with Majorana fermions via optimal control. 2018 , 17, 1		0
493	Circular dichroism of chiral Majorana states. 2018 , 9, 1194-1199		2
492	Helical Majorana edge mode in a superconducting antiferromagnetic quantum spin Hall insulator. 2018 , 98,		6
491	Majorana Corner Modes in a High-Temperature Platform. 2018 , 121, 096803		119
490	Quantum transport in coupled Majorana box systems. 2018 , 97,		5
489	Rashba sandwiches with topological superconducting phases. 2018 , 97,		7
488	Collective Yu-Shiba-Rusinov states in magnetic clusters at superconducting surfaces. 2018 , 97,		4
487	Transport characteristics of InSb trench-type in-plane gate quantum point contact. 2018 , 112, 192103		12
486	Braids and phase gates through high-frequency virtual tunneling of Majorana zero modes. 2018 , 97,		4
485	Tunable Majorana corner states in a two-dimensional second-order topological superconductor induced by magnetic fields. 2018 , 97,		65
484	Durability of the superconducting gap in Majorana nanowires under orbital effects of a magnetic field. 2018 , 97,		7
483	Parafermionic generalization of the topological Kondo effect. 2018 , 97,		4
482	Optimal noise-canceling shortcuts to adiabaticity: application to noisy Majorana-based gates. 2018 , 20, 065005		8

481	Quantum engineering of Majorana quasiparticles in one-dimensional optical lattices. 2018 , 30, 355602	4
480	Magnetic field effects on a nanowire with inhomogeneous Rashba spin-orbit coupling: Spin properties at equilibrium. 2018 , 98,	10
479	Robustness of coherence between two quantum dots mediated by Majorana fermions. 2018 , 27, 077102	
478	Spontaneous Modulation of Superconducting Phase in Kitaev Ladder. 2018 , 87, 083702	1
477	Tip-induced or enhanced superconductivity: a way to detect topological superconductivity. 2018 , 63, 1141-1158	20
476	Optical Microscopy as a probe of the rate limiting transport lifetime in InSb/Al _{1-x} In _x Sb quantum wells. 2018 , 964, 012005	2
475	Effective theory approach to the Schrödinger-Poisson problem in semiconductor Majorana devices. 2018 , 98,	48
474	Control and detection of Majorana bound states in quantum dot arrays. 2018 , 98,	10
473	Explicit forms of zero modes in symmetric interacting Kitaev chain without and with dimerization. 2018 , 27, 067101	
472	Two-Dimensional Topological Superconductivity with Antiferromagnetic Insulators. 2018 , 121, 037002	9
471	Anisotropic Pauli Spin-Blockade Effect and Spin-Orbit Interaction Field in an InAs Nanowire Double Quantum Dot. <i>Nano Letters</i> , 2018 , 18, 4741-4747	11.5 16
470	Anomalous modulation of Josephson radiation in nanowire-based Josephson junctions. 2018 , 98,	5
469	Manifestation of topological transitions in a multi-terminal Josephson junction. 2018 , 30, 385503	1
468	Nonlocality of Majorana modes in hybrid nanowires. 2018 , 98,	109
467	Effects of Gate-Induced Electric Fields on Semiconductor Majorana Nanowires. 2018 , 8,	69
466	Bound states in the continuum poisoned by Majorana fermions. 2018 , 30, 375301	2
465	Quasiparticle Interference Studies of Quantum Materials. 2018 , 30, e1707628	11
464	Distinguishing topological Majorana bound states from trivial Andreev bound states: Proposed tests through differential tunneling conductance spectroscopy. 2018 , 97,	53

463	Spin-orbit coupling effects in zinc-blende InSb and wurtzite InAs nanowires: Realistic calculations with multiband $k\cdot p$ method. 2018 , 97,	22
462	Topological footprints of the Kitaev chain with long-range superconducting pairings at a finite temperature. 2018 , 97,	4
461	Cooper-pair splitting in two parallel InAs nanowires. 2018 , 20, 063021	18
460	Zero modes of the Kitaev chain with phase-gradients and longer range couplings. 2018 , 2, 045010	9
459	Effects of Majorana bound states on dissipation and charging in a quantum resistor-capacitor circuit. 2019 , 19, 246-250	1
458	Majorana bound states in magnetic skyrmions imposed onto a superconductor. 2019 , 100,	18
457	Time-reversal-invariant topological superconductivity in one and two dimensions. 2019 , 825, 1-48	26
456	Supercurrent in ferromagnetic Josephson junctions with heavy-metal interlayers. II. Canted magnetization. 2019 , 99,	11
455	Giant Zero Bias Anomaly due to Coherent Scattering from Frozen Phonon Disorder in Quantum Point Contacts. 2019 , 123, 056802	
454	Geometric Phases in Majorana Zero-Energy State. 2019 , 58, 2703-2710	
453	Effects of decoherence on diabatic errors in Majorana braiding. 2019 , 100,	6
452	Topological vortex phase transitions in iron-based superconductors. 2019 , 64, 1207-1214	11
451	Band twisting and resilience to disorder in long-range topological superconductors. 2019 , 100,	0
450	Topological superconductivity at finite temperatures in proximitized magnetic nanowires. 2019 , 99,	5
449	Supersymmetry in the Insulating Phase of a Chain of Majorana Cooper Pair Boxes. 2019 , 123, 026401	6
448	Exploring Topological Superconductivity in Topological Materials. 2019 , 2, 1800112	17
447	Topological Orders with Spins and Fermions. 2019 ,	
446	Coulomb-interaction-induced Majorana edge modes in nanowires. 2019 , 100,	1

445	Topology of triple-point metals. 2019 , 28, 077303	12
444	Zero-energy Majorana edge modes in the three-dimensional Kitaev model. 2019 , 100,	2
443	Universal current correlations induced by the Majorana and fermionic Andreev bound states. 2019 , 100,	1
442	Intrinsic point defects and the n- and p-type dopability of the narrow gap semiconductors GaSb and InSb. 2019 , 100,	8
441	Topological superconductivity in planar Josephson junctions: Narrowing down to the nanowire limit. 2019 , 99,	16
440	Effects of interface bound states on the shot noise in normal metal/low-dimensional Rashba semiconductor tunnel junctions with induced s-wave pairing potential. 2019 , 28, 057201	
439	Presence versus absence of end-to-end nonlocal conductance correlations in Majorana nanowires: Majorana bound states versus Andreev bound states. 2019 , 100,	18
438	Aharonov-Bohm Interferometer in a T-Shaped Quantum Dot Embedded in Majorana Bound States. 2019 , 71, 1024	5
437	Lattice-Symmetry-Assisted Second-Order Topological Superconductors and Majorana Patterns. 2019 , 123, 156801	21
436	Emergent Haldane phase in an alternating-bond Z ₃ parafermion chain. 2019 , 100,	
435	A tunneling current measurement scheme to observe Majorana-zero-mode-induced crossed Andreev reflection. 2019 , 21, 103055	
434	Protected gap closing in Josephson trijunctions constructed on Bi ₂ Te ₃ . 2019 , 100,	12
433	Quantum interference of Josephson current in topological Anderson insulator junctions. 2019 , 31, 285301	1
432	Disorder-induced Majorana zero modes in a dimerized Kitaev superconductor chain. 2019 , 100,	7
431	Fano effect in Aharonov-Bohm ring with topologically superconducting bridge. 2019 , 31, 225301	3
430	Efficient gate control of spin-orbit interaction in InSb nanowire FET with a nearby back gate. 2019 , 12, 117002	10
429	Error generation and propagation in Majorana-based topological qubits. 2019 , 100,	2
428	Robust low-energy Andreev bound states in semiconductor-superconductor structures: Importance of partial separation of component Majorana bound states. 2019 , 100,	25

427	Dissipative Majorana Quantum Wires. 2019 , 21, 241-248	1
426	Majorana corner and hinge modes in second-order topological insulator/superconductor heterostructures. 2019 , 100,	18
425	Next steps of quantum transport in Majorana nanowire devices. 2019 , 10, 5128	63
424	Coherent charge and spin oscillations induced by local quenches in nanowires with spin-orbit coupling. 2019 , 100,	2
423	Influence of long-range interaction on Majorana zero modes. 2019 , 100,	6
422	Temporal variation in the winding number due to dynamical symmetry breaking and associated transport in a driven Su-Schrieffer-Heeger chain. 2019 , 100,	4
421	Current-phase relations of InAs nanowire Josephson junctions: From interacting to multimode regimes. 2019 , 100,	14
420	Manipulating Majorana zero modes in double quantum dots. 2019 , 100,	8
419	Topological phase, supercritical point, and emergent phenomena in an extended parafermion chain. 2019 , 100,	2
418	Ubiquitous Non-Majorana Zero-Bias Conductance Peaks in Nanowire Devices. 2019 , 123, 107703	42
417	Zero-energy pinning of topologically trivial bound states in multiband semiconductor-superconductor nanowires. 2019 , 100,	27
416	Supercurrent Detection of Topologically Trivial Zero-Energy States in Nanowire Junctions. 2019 , 123, 117001	40
415	Delocalisation of Majorana quasiparticles in plaquette-nanowire hybrid system. 2019 , 9, 12933	8
414	One-dimensional topological superconductivity at the edges of twisted bilayer graphene nanoribbons. 2019 , 100,	2
413	Dynamical preparation of a topological state and out-of-equilibrium bulk-boundary correspondence in a Su-Schrieffer-Heeger chain under periodic driving. 2019 , 100,	6
412	Electrical Control of Majorana Bound States Using Magnetic Stripes. 2019 , 12,	14
411	Dominant nonlocal superconducting proximity effect due to electron-electron interaction in a ballistic double nanowire. 2019 , 5, eaaw2194	12
410	Spin-polarized transport through a hybrid Majorana quantum dot system coupled ferromagnetic leads. 2019 , 109, 164-168	7

409	Gate defined quantum dot realized in a single crystalline InSb nanosheet. 2019 , 114, 023108	5
408	Conductance smearing and anisotropic suppression of induced superconductivity in a Majorana nanowire. 2019 , 99,	9
407	Characterization of Majorana-Ising phase transition in a helical liquid system. 2019 , 475, 257-263	1
406	Fractional Josephson effect with and without Majorana zero modes. 2019 , 99,	28
405	Revisiting 2π phase slip suppression in topological Josephson junctions. 2019 , 99,	3
404	Entanglement and Disordered-Enhanced Topological Phase in the Kitaev Chain. 2019 , 5, 33	3
403	Critical phase boundaries of static and periodically kicked long-range Kitaev chain. 2019 , 31, 174003	6
402	Spin liquids from Majorana zero modes in a Cooper-pair box. 2019 , 99,	13
401	Observation of the 4π periodic Josephson effect in indium arsenide nanowires. 2019 , 10, 245	68
400	Majorana fermions in magnetic chains. 2019 , 107, 1-19	15
399	Observation of zero-bias conductance peak in topologically-trivial hybrid superconducting interfaces. 2019 , 3, 045005	1
398	Unified numerical approach to topological semiconductor-superconductor heterostructures. 2019 , 99,	30
397	Majorana bound states in double nanowires with reduced Zeeman thresholds due to supercurrents. 2019 , 99,	7
396	Superconductivity in the Surface State of Noble Metal Gold and its Fermi Level Tuning by EuS Dielectric. 2019 , 122, 247002	11
395	Majorana zero modes in regular B-form single-stranded DNA proximity-coupled to an s-wave superconductor. 2019 , 99,	7
394	Degeneracy lifting of Majorana bound states due to electron-phonon interactions. 2019 , 99,	7
393	Z_4 Topological Superconductivity in UCoGe. 2019 , 122, 227001	17
392	Tuning topological superconductivity in phase-controlled Josephson junctions with Rashba and Dresselhaus spin-orbit coupling. 2019 , 99,	18

391	Coexistence of induced superconductivity and quantum Hall states in InSb nanosheets. 2019 , 99,	6
390	Second-Order Topological Superconductors with Mixed Pairing. 2019 , 122, 236401	29
389	Braiding of Majorana Fermions in a Cavity. 2019 , 122, 236803	11
388	Interacting Majorana fermions. 2019 , 82, 084501	16
387	Full proximity treatment of topological superconductors in Josephson-junction architectures. 2019 , 99,	11
386	Proximity-Induced Superconductivity in CdTe-HgTe Core-Shell Nanowires. <i>Nano Letters</i> , 2019 , 19, 4078-4083	4
385	Thermoelectric transport through a finite-U quantum dot side-coupled to Majorana bound state. 2019 , 92, 1	0
384	High Mobility Stemless InSb Nanowires. <i>Nano Letters</i> , 2019 , 19, 3575-3582	11.5 18
383	Fano-Majorana Effect and Bound States in the Continuum on a Crossbar-Shaped Quantum Dot Hybrid Structure. 2019 , 531, 1800498	6
382	Complex band-structure analysis and topological physics of Majorana nanowires. 2019 , 92, 1	5
381	Proximity-induced Majorana hinge modes in antiferromagnetic topological insulators. 2019 , 99,	38
380	Quantum degenerate Majorana surface zero modes in two-dimensional space. 2019 , 99,	0
379	Concomitant opening of a bulk-gap with an emerging possible Majorana zero mode. 2019 , 10, 1940	29
378	Spatial coupling of quantum-anomalous-Hall and chiral-Majorana modes. 2019 , 227, 2025-2035	
377	Superconducting spin properties of Majorana nanowires and the associated spin-orbit coupling driven transverse supercurrent. 2019 , 99,	1
376	Electronic structure of full-shell InAs/Al hybrid semiconductor-superconductor nanowires: Spin-orbit coupling and topological phase space. 2019 , 99,	11
375	Majorana-Josephson interferometer. 2019 , 99,	8
374	Proposal for Measuring the Parity Anomaly in a Topological Superconductor Ring. 2019 , 122, 117001	9

373	Measurements of Strain and Bandgap of Coherently Epitaxially Grown Wurtzite InAsP-InP Core-Shell Nanowires. <i>Nano Letters</i> , 2019 , 19, 2674-2681	11.5	11
372	Hillock-free and atomically smooth InSb QWs grown on GaAs substrates by MBE. 2019 , 513, 15-19		2
371	Transport Studies of Epi-Al/InAs Two-Dimensional Electron Gas Systems for Required Building-Blocks in Topological Superconductor Networks. <i>Nano Letters</i> , 2019 , 19, 3083-3090	11.5	15
370	Properties of the Majorana-state tunneling Josephson junction mediated by an interacting quantum dot. 2019 , 31, 185301		6
369	Second-Order Topological Superconductivity in \mathbb{Z}_2 Junction Rashba Layers. 2019 , 122, 126402		58
368	Unified scattering approach to Josephson current and thermal noise in BCS and topological superconducting junctions. 2019 , 92, 1		0
367	Interfacing a Topological Qubit with a Spin Qubit in a Hybrid Quantum System. 2019 , 11,		9
366	Decays of Majorana or Andreev Oscillations Induced by Steplike Spin-Orbit Coupling. 2019 , 122, 147701		21
365	One-dimensional topological metal. 2019 , 99,		5
364	Analytical solution of the finite-length Kitaev chain coupled to a quantum dot. 2019 , 99,		4
363	Detecting competing orders through the edge states in the heterostructures with high-Tc superconductors. 2019 , 99,		2
362	Tunable magnetic textures in spin valves: From spintronics to Majorana bound states. 2019 , 99,		24
361	Superconducting vanadium/indium-arsenide hybrid nanowires. 2019 , 30, 294005		15
360	Phonon-assisted Andreev reflection at a Majorana zero mode. 2019 , 99,		5
359	Recent advances in Sb-based III-V nanowires. 2019 , 30, 212002		5
358	Electrostatic formation of the Majorana quasiparticles in the quantum dot-nanoring structure. 2019 , 31, 185302		8
357	Quantum charge pumping through Majorana bound states. 2019 , 99,		1
356	Probing Andreev reflection reach in semiconductor-superconductor hybrids by Aharonov-Bohm effect. 2019 , 114, 043104		1

355	Fractional Chern insulator edges and layer-resolved lattice contacts. 2019 , 99,		5
354	Dynamics of a Majorana Trijunction in a Microwave Cavity. 2019 , 2, 1900091		2
353	Differential conductance and shot noise of a graphene quantum dot coupled with Majorana bound states. 2019 , 92, 1		3
352	Universal dynamical scaling of long-range topological superconductors. 2019 , 100,		5
351	Universal correspondence between edge spin accumulation and equilibrium spin currents in nanowires with spin-orbit coupling. 2019 , 100,		2
350	Charge transport of a spin-orbit-coupled Luttinger liquid. 2019 , 100,		3
349	Flux-induced topological superconductor in planar Josephson junction. 2019 , 100,		4
348	Protocol for Reading Out Majorana Vortex Qubits and Testing Non-Abelian Statistics. 2019 , 12,		6
347	Review: Observation of Majorana Bound States at a Free Surface of ($^3\text{He-B}$). 2019 , 195, 343-357		2
346	Two-Dimensional Quantum Transport in Free-Standing InSb Nanosheets. <i>Nano Letters</i> , 2019 , 19, 561-569	11.5	17
345	Vectorial Control of the Spin-Orbit Interaction in Suspended InAs Nanowires. <i>Nano Letters</i> , 2019 , 19, 652-657	11.5	22
344	Andreev bound states in a few-electron quantum dot coupled to superconductors. 2019 , 99,		0
343	Supercurrent and Multiple Andreev Reflections in InSb Nanosheet SNS Junctions. 2019 , 256, 1800538		6
342	Recent advances in III-Sb nanowires: from synthesis to applications. 2019 , 30, 202003		19
341	Majorana fermions in semiconducting nanowire and Fulde-Ferrell superconductor hybrid structures. 2019 , 14, 1		2
340	Advances in InSb and InAs Nanowire Based Nanoelectronic Field Effect Transistors. 2019 , 355-373		1
339	Selectivity Map for Molecular Beam Epitaxy of Advanced III-V Quantum Nanowire Networks. <i>Nano Letters</i> , 2019 , 19, 218-227	11.5	51
338	Topological Quantum Materials for Realizing Majorana Quasiparticles. 2019 , 31, 26-51		19

337	Growth of foreign-catalyst-free vertical InAs/InSb heterostructure nanowires on Si (1 1 1) substrate by MOCVD. 2019 , 506, 45-54		5
336	Detecting Majorana modes through Josephson junction ring-quantum dot hybrid architectures. 2019 , 128, 179-187		1
335	One-dimensional quantum many body systems with long-range interactions. 2020 , 53, 013001		9
334	Entanglement teleportation between distinct decohered qubits mediated via single and double Majorana wire(s). 2020 , 95, 035803		
333	Hard Superconducting Gap and Diffusion-Induced Superconductors in Ge-Si Nanowires. <i>Nano Letters</i> , 2020 , 20, 122-130	11.5	10
332	Semiconductor-Ferromagnetic Insulator-Superconductor Nanowires: Stray Field and Exchange Field. <i>Nano Letters</i> , 2020 , 20, 456-462	11.5	16
331	Theory of interactions between cavity photons induced by a mesoscopic circuit. 2020 , 102,		2
330	Crossed Andreev reflection in a quantum dot coupled to a topological superconducting single-stranded DNA. 2020 , 20, 1299-1305		
329	Absence of Fibonacci anyons in Rydberg chains. 2020 , 101,		1
328	Fermion parity gap and exponential ground state degeneracy of the one-dimensional Fermi gas with intrinsic attractive interaction. 2020 , 102,		
327	Confinement versus interface bound states in spin-orbit coupled nanowires. 2020 , 135, 1		0
326	Proximity-effect-induced superconductivity in Bi ₂ Te ₃ /FeSe _{0.5} Te _{0.5} thin-film heterostructures with different interface conditions. 2020 , 102,		2
325	How to measure the Majorana polarization of a topological planar Josephson junction. 2020 , 102,		3
324	Anomalies in isothermal compressibility and exponent of pressure in spin-orbit-coupled degenerate Fermi gases. 2020 , 102,		
323	Constrained thermalization and topological superconductivity. 2020 , 102,		1
322	Transport properties of Majorana drumhead surface states in topological nodal-ring superconductors. 2020 , 102,		2
321	Anomalous proximity effect of planar topological Josephson junctions. 2020 , 102,		2
320	Electron-Tunneling-Assisted Non-Abelian Braiding of Rotating Majorana Bound States. 2020 , 125, 187702		0

319	Unitary preparation of many-body Chern insulators: Adiabatic bulk-boundary correspondence. 2020 , 102,	3
318	Majorana-based quantum computing in nanowire devices. 2020 , 102,	3
317	From Andreev to Majorana bound states in hybrid superconductor/semiconductor nanowires. 2020 ,	60
316	Influence of Majorana Bound States in Quantum Rings. 2020 , 532, 2000199	1
315	Nonequilibrium interplay between Andreev bound states and Kondo effect. 2020 , 102,	2
314	Enhanced Proximity Effect in Zigzag-Shaped Majorana Josephson Junctions. 2020 , 125, 086802	12
313	All-electrical spectroscopy of topological phases in semiconductor-superconductor heterostructures. 2020 , 102,	3
312	A topological Josephson junction platform for creating, manipulating, and braiding Majorana bound states. 2020 , 423, 168326	4
311	Hard-Gap Spectroscopy in a Self-Defined Mesoscopic InAs/Al Nanowire Josephson Junction. 2020 , 14,	2
310	Dissipative preparation of many-body Floquet Chern insulators. 2020 , 102,	2
309	Majorana modes in emergent-wire phases of helical and cycloidal magnet-superconductor hybrids. 2020 , 102,	7
308	Transport characterization of topological superconductivity in a planar Josephson junction. 2020 , 102,	0
307	Feasibility of measurement-based braiding in the quasi-Majorana regime of semiconductor-superconductor heterostructures. 2020 , 102,	3
306	Measurements of spin-orbit interaction in epitaxially grown InAs nanosheets. 2020 , 117, 132101	2
305	Engineering Porous Silicon Nanowires with Tuneable Electronic Properties. 2020 , 5, 57	3
304	Spreading Frost Under the Microscope. 2020 , 13,	3
303	The properties of Majorana bound states in topological superconductor nanowire. 2020 , 34, 2050164	
302	Anomalous relaxation and multiple timescales in the quantum XY model with boundary dissipation. 2020 , 101,	1

301	Highly Transparent Gatable Superconducting Shadow Junctions. 2020 , 14, 14605-14615	16
300	Majorana-like localized spin density without bound states in topologically trivial spin-orbit coupled nanowires. 2020 , 101,	3
299	Majorana-Kondo interplay in T-shaped double quantum dots. 2020 , 101,	5
298	Hybridization energy oscillations of Majorana and Andreev bound states in semiconductor-superconductor nanowire heterostructures. 2020 , 101,	3
297	Enhanced topological protection in planar quasi-one-dimensional channels with periodically modulated width. 2020 , 101,	4
296	Overlapping Andreev states in semiconducting nanowires: Competition of one-dimensional and three-dimensional propagation. 2020 , 101,	1
295	Transport signatures of a junction between a quantum spin Hall system and a chiral topological superconductor. 2020 , 101,	3
294	Majorana bound states in nanowire-superconductor hybrid systems in periodic magnetic fields. 2020 , 101,	3
293	Evidence for Majorana phases in the magnetoconductance of topological junctions based on two-dimensional electron gases. 2020 , 101,	4
292	Experimental study of ac Josephson effect in gate-tunable $(\text{Bi}_{1-x}\text{Sb}_x)_2\text{Te}_3$ thin-film Josephson junctions. 2020 , 101,	2
291	Majorana phase gate based on the geometric phase. 2020 , 101,	4
290	Atomic line defects and zero-energy end states in monolayer $\text{Fe}(\text{Te},\text{Se})$ high-temperature superconductors. 2020 , 16, 536-540	35
289	Dynamical generation of Majorana edge correlations in a ramped Kitaev chain coupled to nonthermal dissipative channels. 2020 , 101,	9
288	Kondo-assistant Aharonov-Bohm transport in a quantum dot-Majorana wire system. 2020 , 384, 126424	1
287	Number-conserving analysis of measurement-based braiding with Majorana zero modes. 2020 , 101,	8
286	Transport signatures of Majorana bound states in superconducting hybrid structures. 2020 , 229, 593-620	5
285	Topological superconducting phases and Josephson effect in curved superconductors with time reversal invariance. 2020 , 101,	4
284	Photon-assisted mesoscopic transport in a toroidal carbon nanotube coupled with Majorana bound states. 2020 , 419, 168239	2

283	First- and Second-Order Topological Superconductivity and Temperature-Driven Topological Phase Transitions in the Extended Hubbard Model with Spin-Orbit Coupling. 2020 , 125, 017001	8
282	Simulating Artificial 1D Physics with Ultra-Cold Fermionic Atoms: Three Exemplary Themes. 2020 , 3, 2000010	3
281	Symmetry-protected topological phase for spin-tensor-momentum-coupled ultracold atoms. 2020 , 102,	1
280	Topological superconductivity in hybrid devices. 2020 , 16, 718-724	30
279	Distinguishing between topological and quasi Majorana zero modes with a dissipative resonant level. 2020 , 102,	8
278	Rigorous Results on Topological Superconductivity with Particle Number Conservation. 2020 , 124, 257002	4
277	Signatures of the Majorana spin in electrical transport through a Majorana nanowire. 2020 , 102,	6
276	Absence of supercurrent sign reversal in a topological junction with a quantum dot. 2020 , 101,	9
275	Dephasing and leakage dynamics of noisy Majorana-based qubits: Topological versus Andreev. 2020 , 101,	9
274	Dimerization-induced topological superconductivity in a Rashba nanowire. 2020 , 101,	4
273	Robustness of the Kondo effect in a quantum dot coupled to Majorana zero modes. 2020 , 101,	5
272	Unusual Superconducting Proximity Effect in Magnetically Doped Topological Josephson Junctions. 2020 , 89, 034702	2
271	Majorana bound state in the continuum: Coupling between a Majorana bound state and a quantum dot mediated by a continuum energy spectrum. 2020 , 101,	4
270	Microscopic characterization of the superconducting gap function in Sn _{1-x} In _x Te. 2020 , 101,	2
269	Revealing the nonlocal coherent nature of Majorana devices from dissipative teleportation. 2020 , 101,	5
268	Subband occupation in semiconductor-superconductor nanowires. 2020 , 101,	14
267	Nonlocal Conductance Spectroscopy of Andreev Bound States: Symmetry Relations and BCS Charges. 2020 , 124, 036801	16
266	Proposal for probing the Majorana zero modes by testing the Pauli exclusion principle with two quantum dots. 2020 , 384, 126496	1

265	Majorana fermions induced Fano resonance and fast-to-slow light in a hybrid semiconductor/superconductor ring device. 2020 , 19, 1	1
264	Nonlocality of Majorana zero modes and teleportation: Self-consistent treatment based on the Bogoliubovde Gennes equation. 2020 , 101,	9
263	Majorana Fermions in Condensed Matter. 2020 , 159-168	
262	Signature of a pair of Majorana zero modes in superconducting gold surface states. 2020 , 117, 8775-8782	31
261	Phase Control of Majorana Bound States in a Topological X Junction. 2020 , 124, 137001	10
260	Induced Topological Superconductivity in a BiSbTeSe-Based Josephson Junction. 2020 , 10,	3
259	Evidence for ferromagnetic order in the CoSb layer of LaCoSb ₂ . 2020 , 101,	1
258	Ambipolar transport in narrow bandgap semiconductor InSb nanowires. 2020 , 12, 8159-8165	2
257	Majorana zero modes from topological kink states in the two-dimensional electron gas. 2020 , 101,	3
256	Andreev reflection induced by Majorana zero mode in the presence of ferromagnetic lead. 2021 , 128, 114585	0
255	Phase diagram and quantum transport in a semiconductor-superconductor hybrid nanowire with long-range pairing interactions. 2021 , 103,	2
254	Strong and tunable spinorbit interaction in a single crystalline InSb nanosheet. 2021 , 5,	6
253	Topological Transition of Superconductivity in Dirac Semimetal Nanowire Josephson Junctions. 2021 , 126, 027001	2
252	Three-terminal nonlocal conductance in Majorana nanowires: Distinguishing topological and trivial in realistic systems with disorder and inhomogeneous potential. 2021 , 103,	14
251	Double-dot interferometer for quantum measurement of Majorana qubits and stabilizers*. 2021 , 30, 010301	1
250	Non-Majorana states yield nearly quantized conductance in proximatized nanowires. 2021 , 17, 482-488	35
249	Fully in situ Nb/InAs-nanowire Josephson junctions by selective-area growth and shadow evaporation. 2021 , 3, 1413-1421	3
248	Crystalline anisotropic topological superconductivity in planar Josephson junctions. 2021 , 3,	2

247	Topological properties of the long-range Kitaev chain with Aubry-Andr�Harper modulation. 2021 , 3,	2
246	Conductance asymmetries in mesoscopic superconducting devices due to finite bias. 2021 , 10,	2
245	Low-temperature environments for quantum computation and quantum simulation*. 2021 , 30, 020702	0
244	Investigation of electrodeposition kinetics of In, Sb, and Zn for advanced designing of InSb and ZnSb thin films. 2021 , 882, 114967	1
243	Pairing symmetry in monolayer of orthorhombic CoSb. 2021 , 16, 1	0
242	One-dimensional spin-orbit coupled Dirac system with extended-wave superconductivity: Majorana modes and Josephson effects. 2021 , 33,	0
241	Dissipative Floquet Majorana Modes in Proximity-Induced Topological Superconductors. 2021 , 126, 086801	1
240	Braiding and All Quantum Operations with Majorana Modes in 1D. 2021 , 126, 117701	1
239	Majorana and non-Majorana modes in a nanowire in partially proximity to a superconductor. 2021 , 129, 094301	0
238	Topological superconductivity and Majorana states in low-dimensional systems.	2
237	Interaction-induced topological superconductivity in antiferromagnet-superconductor junctions. 2021 , 3,	0
236	Hybridization mechanism of the dual proximity effect in superconductor-topological insulator interfaces. 2021 , 327, 114221	1
235	Atomic Line Defects and Topological Superconductivity in Unconventional Superconductors. 2021 , 11,	3
234	Majorana bound states in a superconducting Rashba nanowire in the presence of antiferromagnetic order. 2021 , 103,	1
233	Tunable Majorana corner modes in noncentrosymmetric superconductors: Tunneling spectroscopy and edge imperfections. 2021 , 3,	1
232	Topological superconductivity in tripartite superconductor-ferromagnet-semiconductor nanowires. 2021 , 103,	2
231	Parity-preserving and magnetic field-resilient superconductivity in InSb nanowires with Sn shells. 2021 , 372, 508-511	13
230	Nonlinear electric response of chiral topological superconductors. 2021 , 23, 043009	

229	Detecting Spin Heat Accumulation by Sign Reversion of Thermopower in a Quantum Dot Side-Coupled to Majorana Bound States. 2021 , 203, 381-391	1
228	Epitaxial Pb on InAs nanowires for quantum devices. 2021 , 16, 776-781	16
227	The hybrid topological longitudinal transmon qubit. 2021 , 1, 021001	
226	Topological Shiba bands in artificial spin chains on superconductors. 2021 , 17, 943-948	9
225	High-Mobility Free-Standing InSb Nanoflags Grown on InP Nanowire Stems for Quantum Devices. 2021 , 4, 5825-5833	2
224	Photon-Assisted Seebeck Effect in a Quantum Dot Coupled to Majorana Zero Modes. 2021 , 9,	0
223	Statistics-tuned entanglement of the boundary modes in coupled Su-Schrieffer-Heeger chains. 2021 , 103,	0
222	Disorder-induced zero-bias peaks in Majorana nanowires. 2021 , 103,	13
221	Readout of Majorana bound states via Landau-Zener transition. 2021 , 103,	1
220	Coalescence of Andreev Bound States on the Surface of a Chiral Topological Semimetal. 2021 , 113, 662	
219	Visibility of noisy quantum dot-based measurements of Majorana qubits. 2021 , 10,	0
218	Protocol Discovery for the Quantum Control of Majoranas by Differentiable Programming and Natural Evolution Strategies. 2021 , 2,	1
217	Quantized and unquantized zero-bias tunneling conductance peaks in Majorana nanowires: Conductance below and above $2e^2/h$. 2021 , 103,	8
216	Clock model and parafermions in Rashba nanowires. 2021 , 103,	0
215	Disorder effects on Majorana zero modes: Kitaev chain versus semiconductor nanowire. 2021 , 103,	3
214	Dependence of the electronic structure of the EuS/InAs interface on the bonding configuration. 2021 , 5,	2
213	Recent progress of scanning tunneling microscopy/spectroscopy study of Majorana bound states in the FeTe _{0.55} Se _{0.45} superconductor. 2021 , 34, 073001	1
212	Transmission amplitude through a Coulomb blockaded Majorana wire. 2021 , 3,	3

211	Majorana zero modes in a cylindrical semiconductor quantum wire. 2021 , 104,	1
210	Topological kink states in graphene. 2021 , 32,	1
209	Topological superconductors in one-dimensional mosaic lattices. 2021 , 135, 17003	0
208	Magnetic field dependence of partially-separated Andreev bound states in semiconductor-superconductor nanowires with finite coherence length. 2021 , 612, 412887	0
207	Dynamical phase error in interacting topological quantum memories. 2021 , 3,	
206	Bending effect on the Majorana bound states in planar Josephson junctions. 2021 , 33,	
205	Engineered platforms for topological superconductivity and Majorana zero modes.	7
204	Observation of Dresselhaus type spin splitting of zinc blende structure semiconductors by circular dichroic photoemission study. 2021 ,	0
203	Measurement of Superconductivity and Edge States in Topological Superconductor Candidate TaSe ₃ . 2021 , 38, 077302	1
202	Electronic properties of InAs/EuS/Al hybrid nanowires. 2021 , 104,	1
201	Porous silicon nanowires phase transformations at high temperatures and pressures. 2021 , 119, 053101	0
200	Local and nonlocal quantum transport due to Andreev bound states in finite Rashba nanowires with superconducting and normal sections. 2021 , 104,	0
199	Majorana bound states in semiconducting nanostructures. 2021 , 130, 081101	4
198	Coexistence of strong and weak Majorana zero modes in an anisotropic XY spin chain with second-neighbor interactions. 2021 , 104,	0
197	Majorana mode leaking into a spin-charge entangled double quantum dot. 2021 , 104,	2
196	Crossover between trivial zero modes in Majorana nanowires. 2021 , 104,	2
195	Aligned Growth of Semiconductor Nanowires on Scratched Amorphous Substrates. 2021 , 31, 2103950	1
194	Theory of Coulomb blockaded transport in realistic Majorana nanowires. 2021 , 104,	1

193	Experimental review on Majorana zero-modes in hybrid nanowires. 2021 , 64, 1	0
192	Signatures of topological transitions in the spin susceptibility of Josephson junctions. 2021 , 104,	0
191	Topological crystalline superconductivity in locally noncentrosymmetric CeRh ₂ As ₂ . 2021 , 3,	5
190	Topological phase transitions and Majorana zero modes in DNA double helix coupled to s-wave superconductors. 2021 , 23, 093047	0
189	Identification of the Majorana edge modes in tight-binding systems based on the Krylov method. 2021 , 269, 108135	
188	Two-Dimensional 2M-WS Nanolayers for Superconductivity. 2021 , 6, 2966-2972	1
187	From high-quality semiconductor/superconductor nanowires to Majorana zero mode. 2021 , 0-0	1
186	Josephson current via an isolated Majorana zero mode. 2021 , 103,	0
185	First-principles study of the nontrivial topological phase in chains of 3d transition metals. 2020 , 101,	3
184	Transport in spinless superconducting wires. 2020 , 102,	3
183	Transport signatures of topological superconductivity in a proximity-coupled nanowire. 2017 , 95,	25
182	Superconducting monolayer deposited on substrate: Effects of the spin-orbit coupling induced by proximity effects. 2018 , 2,	8
181	Engineering hybrid epitaxial InAsSb/Al nanowires for stronger topological protection. 2018 , 2,	50
180	Limiting scattering processes in high-mobility InSb quantum wells grown on GaSb buffer systems. 2018 , 2,	18
179	Selective-area chemical beam epitaxy of in-plane InAs one-dimensional channels grown on InP(001), InP(111)B, and InP(011) surfaces. 2019 , 3,	26
178	Floquet second-order topological superconductor driven via ferromagnetic resonance. 2019 , 1,	21
177	Moving Majorana bound states between distinct helical edges across a quantum point contact. 2019 , 1,	4
176	Bandgap-assisted quantum control of topological edge states in a cavity. 2020 , 2,	2

175	Diagnosing quantum chaos in many-body systems using entanglement as a resource. 2020 , 2,	15
174	Interaction-driven Floquet engineering of topological superconductivity in Rashba nanowires. 2020 , 2,	2
173	Physical mechanisms for zero-bias conductance peaks in Majorana nanowires. 2020 , 2,	42
172	Magnetically confined bound states in Rashba systems. 2020 , 2,	4
171	Topological superconductivity in carbon nanotubes with a small magnetic flux. 2020 , 2,	7
170	Zero-bias conductance peak in Dirac semimetal-superconductor devices. 2020 , 2,	5
169	Braiding Majorana corner modes in a second-order topological superconductor. 2020 , 2,	13
168	Parity-to-charge conversion in Majorana qubit readout. 2020 , 2,	11
167	Universal conductance dips and fractional excitations in a two-subband quantum wire. 2020 , 2,	1
166	Aharonov-Bohm interference as a probe of Majorana fermions. 2020 , 2,	3
165	Superconducting quantum dot and the sub-gap states. 2018 ,	3
164	Majorana States in Presence of Electron Interactions: Spinful Fractional Josephson Junction with a Quantum Dot. 2018 , 133, 362-365	1
163	Formation of Majorana fermions in finite-size graphene strips. 2017 , 3,	7
162	Supercurrent-induced Majorana bound states in a planar geometry. 2019 , 7,	7
161	Reproducing topological properties with quasi-Majorana states. 2019 , 7,	68
160	Modeling noise and error correction for Majorana-based quantum computing. 2, 88	9
159	Shot noise characteristics of Majorana fermions in transport through double quantum dots. 2015 , 64, 167302	2
158	Andreev reflection in a T-shaped double quantum-dot with coupled Majorana bound states. 2016 , 65, 137302	4

157	Topological superconductivity in spin-orbit-coupled semiconducting nanowires. 2021 , 108, 125-194		0
156	Minimal setup for non-Abelian braiding of Majorana zero modes. 2021 , 64,		2
155	Majorana fermions induced fast- and slow-light in a hybrid semiconducting nanowire/superconductor device.		0
154	Aspects of Topological Superconductivity in 2D Systems: Noncollinear Magnetism, Skyrmions, and Higher-order Topology. 1		1
153	Supercurrent and Phase Slips in a Ballistic Carbon Nanotube Bundle Embedded into a van der Waals Heterostructure. <i>Nano Letters</i> , 2021 , 21, 8627-8633	11.5	1
152	Helical liquids in semiconductors. 2021 , 36, 123003		1
151	Enhanced topological superconductivity in spatially modulated planar Josephson junctions. 2021 , 104,		1
150	Probing Fractional Josephson Junction with a Quantum Dot. 2016 , 130, 554-557		
149	Topological phases in InAs _{1-x} Sb _x : from novel topological semimetal to Majorana wire (Conference Presentation). 2016 ,		
148	Long-Range p-Wave Proximity Effect into a Disordered Metal. 2018 , 19-32		
147	Low-bias oscillations of shot noise as signatures of Majorana zero modes. 2018 , 67, 187302		
146	Topological Superconductors. 2019 , 93-118		
145	Search for Majorana zero mode in the magnetic vortex of artificial topological superconductor. 2019 , 68, 137401		2
144	Magnetic field effect on trivial and topological bound states of superconducting quantum dot. 2020 , 32, 445803		0
143	Possible topological phases in quantum anomalous Hall insulator/unconventional superconductor hybrid systems. 2021 , 104,		0
142	Topological superconductivity in EuS/Au/superconductor heterostructures. 2021 , 3,		2
141	Josephson and Persistent Currents in a Quantum Ring between Topological Superconductors. 2100305		
140	Theory of topological superconductivity based on Yu-Shiba-Rusinov states. 2020 , 69, 117401		0

139	Non-abelian statistics of Majorana modes and the applications to topological quantum computation. 2020 , 69, 110302	1
138	Double Braiding Majoranas for Quantum Computing and Hamiltonian Engineering. 2020 , 1,	1
137	Majorana quasi-particles and superconductor-semiconductor hybrid nanowires. 2020 , 69, 077303	2
136	Superconductivity in topological materials. 2020 , 69, 020301	0
135	Topological Kondo Effect. 2020 , 131-153	
134	Trapping Majorana zero modes in vortices of magnetic texture crystals coupled to nodal superconductors. 2021 , 104,	0
133	Measurements of anisotropic g-factors for electrons in InSb nanowire quantum dots. 2021 , 32, 020002	1
132	Modulation of photon current through an oscillation device coupled with Majorana fermions. 2020 , 53, 245401	
131	Nanoresonator Enhancement of Majorana-Fermion-Induced Slow Light in Superconducting Iron Chains. 2021 , 12,	0
130	Superconductor/normal-metal/superconductor junction of topological superconductors revisited: Fractional Josephson current, fermion parity, and oscillating wave functions. 2021 , 104,	1
129	Anomalous Superconducting Proximity Effect in Bi Se /FeSe Te Thin-Film Heterojunctions. 2021 , e2107799	1
128	Charge-Impurity Effects in Hybrid Majorana Nanowires. 2021 , 16,	2
127	Defective Majorana zero modes in a non-Hermitian Kitaev chain. 2021 , 104,	4
126	Photoemission Spectroscopic Evidence of Multiple Dirac Cones in Superconducting BaSn ₃ . 2021 , 38, 107403	1
125	Topological Kondo device for distinguishing quasi-Majorana and Majorana signatures. 2021 , 104,	1
124	Gate-controlled supercurrent in ballistic InSb nanoflag Josephson junctions. 2021 , 119, 214004	1
123	Local spin-triplet superconductivity in half-metallic manganites: A perspective platform for high-temperature topological superconductivity. 2021 , 47, 901-907	0
122	Cross correlation mediated by Majorana island with finite charging energy.	0

- 121 Ge/Si CoreShell Nanowires for Hybrid Quantum Systems. **2021**, 165-195
- 120 Phase diagrams of superconducting topological surface states. **2021**, 24, 43701
- 119 Majorana-Kondo competition in a cross-shaped double quantum dot-topological superconductor system. **2022**, 549, 168935
- 118 Majorana/Andreev crossover and the fate of the topological phase transition in inhomogeneous nanowires.. **2021**, 0
- 117 Diagnosing Topological Phase Transitions in 1D Superconductors using Berry Singularity Markers.. **2022**,
- 116 Unitary symmetry-protected non-Abelian statistics of Majorana modes. **2022**, 105, 0
- 115 Dephasing of Majorana qubits due to quasistatic disorder. **2022**, 105,
- 114 Surface Bogoliubov-Dirac cones and helical Majorana hinge modes in superconducting Dirac semimetals. **2022**, 105, 0
- 113 Bath-induced decoherence in finite-size Majorana wires at non-zero temperature. **2022**, 24, 013033 1
- 112 Interaction induced modifications of the fractional Josephson effect. **2022**, 343, 114631
- 111 Topological phase transition driven by magnetic field in one-dimensional topological superconductor rings. **2022**, 105,
- 110 Anisotropic topological superconductivity in Josephson junctions. **2022**, 105, 0
- 109 Nanomaterials for Quantum Information Science and Engineering.. **2022**, e2109621 6
- 108 Non-Abelian statistics of Majorana zero modes in the presence of an Andreev bound state. **2022**, 105, 1
- 107 Experimental Investigations of Majorana Modes and Majorana-Bound States (MBS). **2022**, 27-83
- 106 Tunneling characteristics of weakly coupled Majorana wire arrays. **2022**, 131, 084301
- 105 Geometric manipulation of a decoherence-free subspace in atomic ensembles. **2022**, 105,
- 104 Universal Conductance Scaling of Andreev Reflections Using a Dissipative Probe.. **2022**, 128, 076802 1

103	Numerical study of PbTe-Pb hybrid nanowires for engineering Majorana zero modes. 2022 , 105,	1
102	On-demand large conductance in trivial zero-bias tunneling peaks in Majorana nanowires. 2022 , 105,	1
101	Topological superconductivity induced by magnetic texture crystals. 2022 , 4,	1
100	Majorana-like end states in one-dimensional dimerized Kitaev topoelectrical circuit.	
99	A topological flux trap: Majorana bound states at screw dislocations.	1
98	Microscopic Theory of the Current-Voltage Characteristics of Josephson Tunnel Junctions.. 2022 , 128, 126801	
97	Universal topological quantum computation with strongly correlated Majorana edge modes. 2022 , 24, 043009	0
96	Fusion of Majorana bound states with mini-gate control in two-dimensional systems.. 2022 , 13, 1738	2
95	Dynamics of quantum resources in regular and Majorana fermion systems. 2022 , 105,	0
94	Best Practices for First-Principles Simulations of Epitaxial Inorganic Interfaces.. 2022 ,	2
93	Distinguishing Majorana and Andreev bound states in a topological superconducting nanowire with a potential barrier. 2022 , 141, 115247	
92	Anomalous non-Abelian statistics for non-Hermitian generalization of Majorana zero modes. 2021 , 104,	1
91	Sub-Band Spectrum Engineering via Structural Order in Tapered Nanowires. <i>Nano Letters</i> , 2021 ,	11.5
90	Subgap states at ferromagnetic and spiral-ordered magnetic chains in two-dimensional superconductors. I. Continuum description. 2021 , 104,	1
89	Estimating disorder and its adverse effects in semiconductor Majorana nanowires. 2021 , 5,	3
88	Dynamical approach to improving Majorana qubits and distinguishing them from trivial bound states. 2022 , 105,	0
87	Electrically tunable spin-orbit interaction in an InAs nanosheet.	
86	In Situ Epitaxy of Pure Phase Ultra-Thin InAs-Al Nanowires for Quantum Devices. 2022 , 39, 058101	0

- 85 Emerging Majorana Zero Modes in Topologically Trivial Dirac Nodal Loop Semimetal Superconductors with Even Parity. 1
- 84 Fermion-Parity-Based Computation and Its Majorana-Zero-Mode Implementation.. **2022**, 128, 180504
- 83 Fabrication and characterization of InSb nanosheet/hBN/graphite heterostructure devices.. **2022**, 33, ○
- 82 The Dirac paradox in 1+1 dimensions and its realization with spin-orbit coupled nanowires. ○
- 81 Detecting and braiding higher-order Majorana corner states through their spin degree of freedom. **2022**, 105, ○
- 80 Progress on the material, physics, and device of topological superconductors for quantum computing. **2022**,
- 79 Stable Majorana Modes in Spin-Polarized Wire with Strong Interactions. 1
- 78 Controllable majorana vortex states in iron-based superconducting nanowires.
- 77 Chiral symmetry protected topological nodal superconducting phase and Majorana Fermi arc. ○
- 76 Partially separated Majorana modes in a disordered medium. **2022**, 105, ○
- 75 Non-Abelian operation through scattering between chiral Dirac edge modes. **2022**, 105,
- 74 Aharonov-Bohm oscillations in the Majorana fermion modulated charge and heat transports through a double-quantum-dot interferometer. **2022**, 443, 128219 ○
- 73 Quasiparticle Trapping at Vortices Producing Josephson Supercurrent Enhancement. **2022**, 128, ○
- 72 Exploring Majorana zero modes in iron-based superconductors. ○
- 71 Mid-Infrared Response from Cr/n-Si Schottky Junction with an Ultra-Thin Cr Metal. **2022**, 12, 1750 1
- 70 Quantum oscillations in a hexagonal boron nitride-supported single crystalline InSb nanosheet.
- 69 Carbon nanotube resonator enhancement of Majorana fermions induced slow light in a hybrid semiconductor/superconductor device.
- 68 Spin-Mixing Enhanced Proximity Effect in Aluminum-Based Superconductor-Semiconductor Hybrids. 2202034 ○

- 67 1D Majorana Goldstinos and partial supersymmetry breaking in quantum wires. **2022**, 5, 0
- 66 Andreev Reflection in the Fractional Quantum Hall State. **2022**, 12, 1
- 65 Dual topological states in the layered titanium-based oxypnictide superconductor BaTi₂Sb₂O. **2022**, 7, 0
- 64 Intertwined string orders of topologically trivial and nontrivial phases in an interacting Kitaev chain with spatially varying potentials. **2022**, 105, 0
- 63 Dispersive one-dimensional Majorana modes with emergent supersymmetry in one-dimensional proximitized superconductors via spatially modulated potentials and magnetic fields. **2022**, 105, 0
- 62 The differential conductance tunnel spectroscopy in an analytical solvable two-terminal Majorana device. **2022**, 24, 073015
- 61 Vortex control in superconducting Corbino geometry networks. **2022**, 106, 0
- 60 Current through a hybrid four-terminal Josephson junction with Majorana nanowires. 0
- 59 Chiral detection of Majorana bound states at the edge of a quantum spin Hall insulator. **2022**, 106, 0
- 58 Manipulation of Majorana-Kramers qubit and its tolerance in time-reversal invariant topological superconductor. **2022**, 106, 0
- 57 Majorana bound states with chiral magnetic textures. **2022**, 132, 041101 1
- 56 Waiting time distribution and current correlations via a Majorana single-charge transistor. **2022**, 106, 0
- 55 Ac Josephson Effect in Corbino-geometry Josephson junctions constructed on Bi₂Te₃ surface. 0
- 54 Master equation approach for transport through Majorana zero modes. 0
- 53 Edge-State Oscillations in a One-Dimensional Topological Chain with Dissipative Couplings. **2022**, 18, 0
- 52 Probing Majorana bound states via a pn junction containing a quantum dot. **2022**, 106, 0
- 51 Non-Hermiticity-stabilized Majorana zero modes in semiconductor-superconductor nanowires. **2022**, 106, 0
- 50 Proximity-induced superconductivity generated by thin films: Effects of Fermi surface mismatch and disorder in the superconductor. **2022**, 106, 0

- 49 Parametric exploration of zero-energy modes in three-terminal InSb-Al nanowire devices. **2022**, 106, ○
- 48 Random matrix theory for the robustness, quantization, and end-to-end correlation of zero-bias conductance peaks in a class D ensemble. **2022**, 106, ○
- 47 A study of topological characterisation and symmetries for a quantum-simulated Kitaev chain. **2022**, 96, ○
- 46 Large zero bias peaks and dips in a four-terminal thin InAs-Al nanowire device. **2022**, 4, ○
- 45 Spin-dependent resonant Andreev tunneling in hybrid ferromagnetic metal - magnetic quantum dot - superconductor nanostructures. ○
- 44 Quality factor for zero-bias conductance peaks in Majorana nanowire. **2022**, 106, ○
- 43 Spin-helical detection in a semiconductor quantum device with ferromagnetic contacts. **2022**, 106, ○
- 42 Electron transport in quantum channels with spin-orbit interaction: effects of the sign of the Rashba coupling and applications to nanowires. **2022**, 24, 093025 ○
- 41 Prevalence of trivial zero-energy subgap states in nonuniform helical spin chains on the surface of superconductors. **2022**, 106, ○
- 40 Edge states, Majorana fermions, and topological order in superconducting wires with generalized boundary conditions. **2022**, 106, ○
- 39 Hallmarks of Majorana mode leaking into a hybrid double quantum dot. **2022**, 106, ○
- 38 High mobility of (111)-oriented large-domain (>100 nm) poly-InSb on glass by rapid-thermal crystallization of sputter-deposited films. **2022**, 132, 145302 ○
- 37 STM study on the vortex states and Majorana zero-modes in FeSe-based high-Tc superconductors. **2022**, 1, ○
- 36 Anomalous universal conductance as a hallmark of non-locality in a Majorana-hosted superconducting island. **2022**, 13, ○
- 35 Creating and detecting poor man's Majorana bound states in interacting quantum dots. **2022**, 106, ○
- 34 Interference and parity blockade in transport through a Majorana box. **2022**, 106, ○
- 33 Exactly solving the Kitaev chain and generating Majorana-zero-modes out of noisy qubits. **2022**, 12, ○
- 32 Signatures of current in a four-terminal topological Josephson junction. **2023**, 360, 115032 ○

- 31 Numerical study of detectivity for near-IR photodetectors based on InAsP NWs. **2023**, 226, 115246 ○
- 30 Features of Physical Observables of a Strongly Correlated Superconducting Nanowire with Rashba Spin-Orbit Interaction. **2022**, 135, 500-512 ○
- 29 Engineering Yang-Lee anyons via Majorana bound states. **2022**, 106, ○
- 28 Emerging Edge States in the Monolayer FeSe Superconductor with the Spin-orbital Coupling. ○
- 27 Enhanced Topological Superconductivity in an Asymmetrical Planar Josephson Junction. ○
- 26 Transport Theory for Topological Josephson Junctions with a Majorana Qubit. **2022**, 129, ○
- 25 Sublattice-sensitive Majorana modes. **2022**, 106, ○
- 24 Majorana modes with side features in magnet-superconductor hybrid systems. **2022**, 7, ○
- 23 Detecting Majorana Zero Modes via Strong Field Dynamics. **2022**, 7, 47424-47430 ○
- 22 Majorana nanowires for topological quantum computation. **2022**, 132, 231101 ○
- 21 Proximity-induced zero-energy states indistinguishable from topological edge states. **2023**, 107, ○
- 20 Competing Vortex Topologies in Iron-Based Superconductors. **2022**, 129, ○
- 19 Identifying Majorana bound states at quantum spin Hall edges using a metallic probe. **2022**, 106, ○
- 18 Topological characterization and stability of Floquet Majorana modes in Rashba nanowires. **2023**, 107, ○
- 17 Planar Josephson junctions in germanium: Effect of cubic spin-orbit interaction. **2023**, 107, ○
- 16 Colloquium : Quantum anomalous Hall effect. **2023**, 95, 3
- 15 ??????????. **2023**, 60, 0500002 ○
- 14 Eight-vertex criticality in the interacting Kitaev chain. **2023**, 107, ○

- 13 Quantum transport in topological semimetals under magnetic fields (III). **2023**, 18, ○
- 12 Enhanced 2 π -periodic Aharonov-Bohm Effect as a Signature of Majorana Zero Modes Probed by Nonlocal Measurements. **2023**, 92, ○
- 11 Majorana zero modes in a double-stranded DNA with s-wave superconductor. **2023**, 463, 128673 ○
- 10 In search of Majorana. ○
- 9 Merging Nanowires and Formation Dynamics of Bottom-Up Grown InSb Nanoflakes. 2212029 ○
- 8 Increased localization of Majorana modes in antiferromagnetic chains on superconductors. **2023**, 107, ○
- 7 Interfacial Superconductivity and Zero Bias Peak in Quasi-One-Dimensional Bi₂Te₃/Fe_{1+y}Te Heterostructure Nanostructures. **2023**, 9, ○
- 6 Machine Learning Optimization of Majorana Hybrid Nanowires. **2023**, 130, ○
- 5 Microwave detection of gliding Majorana zero modes in nanowires. **2023**, 107, ○
- 4 Optimizing the transport of Majorana zero modes in one-dimensional topological superconductors. **2023**, 107, ○
- 3 Josephson junction scheme for observing the non-Abelian statistical properties of Majorana fermions. **2023**, 107, ○
- 2 Recent progress on Majorana in semiconductor-superconductor heterostructures—Engineering and detection. **2023**, 66, ○
- 1 Josephson effect in topological semimetal-superconductor heterojunctions. **2023**, 72, 087401 ○