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Signatures of Majorana fermions in hybrid superconductor-semiconductor nanowire devices

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275	Majorana Anyon Composites in Magneto-Photoluminescence Spectra of Natural Quantum Hall Puddles <b>2022</b> , 12,	
274	A topological flux trap: Majorana bound states at screw dislocations.	1
273	Non-Abelian Braiding in Spin Superconductors Utilizing the Aharonov-Casher Effect <b>2022</b> , 128, 106804	0
272	Microscopic Theory of the Current-Voltage Characteristics of Josephson Tunnel Junctions <b>2022</b> , 128, 126801	
271	Topological superconductivity on the honeycomb lattice: Effect of normal state topology. <b>2022</b> , 105,	
270	Precursors of Majorana modes and their length-dependent energy oscillations probed at both ends of atomic Shiba chains <b>2022</b> ,	2
269	Detecting Induced p-ip Pairing at the Al-InAs Interface with a Quantum Microwave Circuit <b>2022</b> , 128, 107701	O
268	Understanding the Morphological Evolution of InSb Nanoflags Synthesized in Regular Arrays by Chemical Beam Epitaxy <b>2022</b> , 12,	
267	Half-integer quantized thermal conductance plateau in chiral topological superconductor systems. <b>2022</b> , 105,	
266	Charging of Majorana edge modes caused by interaction: Exact results. <b>2022</b> , 105,	Ο
265	Universal topological quantum computation with strongly correlated Majorana edge modes. <b>2022</b> , 24, 043009	0
264	Fusion of Majorana bound states with mini-gate control in two-dimensional systems <b>2022</b> , 13, 1738	2
263	Dynamics of quantum resources in regular and Majorana fermion systems. 2022, 105,	0
262	Best Practices for First-Principles Simulations of Epitaxial Inorganic Interfaces 2022,	2

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257	Sub-Band Spectrum Engineering via Structural Order in Tapered Nanowires. 2021,	
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254	Insights into the Arsenic Shell Decapping Mechanisms in As/GaAs Nanowires by X-ray and Electron Microscopy. <b>2021</b> , 125, 28136-28142	Ο
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248	Selective area epitaxy of PbTe-Pb hybrid nanowires on a lattice-matched substrate. <b>2022</b> , 6,	1
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245	Room-Temperature Nonreciprocal Charge Transport in an InAs-Based Rashba Channel. <b>2022</b> , 11, 045011	
244	Nanoscale Mapping of Light Emission in Nanospade-Based InGaAs Quantum Wells Integrated on Si(100): Implications for Dual Light-Emitting Devices <b>2022</b> , 5, 5508-5515	

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239	Transport Through the T-Shaped Double-Quantum-Dot Structure with Side-Coupled Majorana Bound States.	
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228	The Dirac paradox in 1+1 dimensions and its realization with spin-orbit coupled nanowires.	Ο
227	Spin-polarized Majorana zero modes in double zigzag honeycomb nanoribbons. <b>2022</b> , 105,	
226	Detecting and braiding higher-order Majorana corner states through their spin degree of freedom. <b>2022</b> , 105,	Ο

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198	Odd-frequency pairing in a nonunitary p -wave superconductor with multiple Majorana fermions. <b>2022</b> , 105,	O
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194	1D Majorana Goldstinos and partial supersymmetry breaking in quantum wires. <b>2022</b> , 5,	O
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184	Dispersive one-dimensional Majorana modes with emergent supersymmetry in one-dimensional proximitized superconductors via spatially modulated potentials and magnetic fields. <b>2022</b> , 105,	O
183	Computational exfoliation of atomically thin one-dimensional materials with application to Majorana bound states. <b>2022</b> , 6,	O
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175	Quantum teleportation using Ising anyons. <b>2022</b> , 106,	О
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172	Shot noise of photonic heat transport through an oscillation device modulated by Majorana fermions. <b>2022</b> , 443, 169007	

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167	On-chip heating effects in electronic measurements at cryogenic temperatures 2022, 103536	
166	Manipulation of Majorana-Kramers qubit and its tolerance in time-reversal invariant topological superconductor. <b>2022</b> , 106,	O
165	Majorana bound states with chiral magnetic textures. <b>2022</b> , 132, 041101	1
164	Topological surface superconductivity in FeSe0.45Te0.55. <b>2022</b> , 5,	O
163	Topological squashed entanglement: Nonlocal order parameter for one-dimensional topological superconductors. <b>2022</b> , 4,	О
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161	Waiting time distribution and current correlations via a Majorana single-charge transistor. <b>2022</b> , 106,	
160	Ac Josephson Effect in Corbino-geometry Josephson junctions constructed on Bi2Te3 surface.	
159	Master equation approach for transport through Majorana zero modes.	O
158	Topologically Enabled Superconductivity. <b>2022</b> , 129,	
157	Edge-State Oscillations in a One-Dimensional Topological Chain with Dissipative Couplings. <b>2022</b> , 18,	
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134	Random matrix theory for the robustness, quantization, and end-to-end correlation of zero-bias conductance peaks in a class D ensemble. <b>2022</b> , 106,	O
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132	A study of topological characterisation and symmetries for a quantum-simulated Kitaev chain. <b>2022</b> , 96,	O
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129	Magnetic field constraint for Majorana zero modes in a hybrid nanowire. 2022, 106,	О
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127	Spin-dependent resonant Andreev tunneling in hybrid ferromagnetic metal - magnetic quantum dot - superconductor nanostructures.	О
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119	Plateau Regions for Zero-Bias Peaks within 5% of the Quantized Conductance Value 2e2/h. <b>2022</b> , 129,	О
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113	Topological magnons in one-dimensional ferromagnetic SuBchriefferHeeger model with anisotropic interaction. <b>2022</b> , 34, 495801	О
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111	Two-stage decoupling effect in electron transport through T-shaped quantum dots coupled via Majorana bound states. <b>2022</b> , 169143	O
110	InAs/MoRe Hybrid Semiconductor/Superconductor Nanowire Devices.	О
109	Waiting time distributions of the electron transport in a quantum dot coupled to a Majorana bound state. <b>2023</b> , 146, 115515	0
108	The Nonequilibrium Green Function (NEGF) Method. <b>2023,</b> 1583-1599	О
107	STM study on the vortex states and Majorana zero-modes in FeSe-based high-Tc superconductors. <b>2022</b> , 1,	O
106	Superconductor/Ferromagnet Heterostructures: A Platform for Superconducting Spintronics and Quantum Computation. 2200080	О
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97	Interference and parity blockade in transport through a Majorana box. <b>2022</b> , 106,	Ο
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88	Spin cross-correlation experiments in an electron entangler. <b>2022</b> , 612, 454-458	0
87	Large Andreev bound state zero-bias peaks in a weakly dissipative environment. 2022, 106,	0
86	Engineering Yang-Lee anyons via Majorana bound states. <b>2022</b> , 106,	Ο
85	Emerging Edge States in the Monolayer FeSe Superconductor with the Spin-orbital Coupling.	0
84	Enhanced Topological Superconductivity in an Asymmetrical Planar Josephson Junction.	0
83	Topological superconductivity and large spin Hall effect in the kagome family Ti6X4 (X = Bi, Sb, Pb, Tl, In). <b>2022</b> , 105813	0
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72	Detecting Majorana Zero Modes via Strong Field Dynamics. <b>2022</b> , 7, 47424-47430	O
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70	Charge and spin transports through a normal lead coupled to an s-wave superconductor and Majorana fermions.	O
69	Proximity-induced zero-energy states indistinguishable from topological edge states. 2023, 107,	0
68	Critical and topological phases of dimerized Kitaev chain in presence of quasiperiodic potential. <b>2023</b> , 107,	O
67	Anomalous periodicity and parafermion hybridization in superconducting qubits. 2023, 107,	О
66	Majorana correlations in quantum impurities coupled to a topological wire. 2023, 107,	O
65	Energy dynamics, heat production and heat work conversion with qubits: towards the development of quantum machines.	O
64	Nonreciprocal charge and spin transport induced by non-Hermitian skin effect in mesoscopic heterojunctions. <b>2023</b> , 107,	O

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62	Identifying Majorana bound states at quantum spin Hall edges using a metallic probe. <b>2022</b> , 106,	0
61	Time evolution of Majorana corner modes in a Floquet second-order topological superconductor. <b>2023</b> , 107,	О
60	Thermoelectric properties of topological chains coupled to a quantum dot. <b>2023</b> , 13,	O
59	Topological characterization and stability of Floquet Majorana modes in Rashba nanowires. <b>2023</b> , 107,	О
58	Planar Josephson junctions in germanium: Effect of cubic spin-orbit interaction. 2023, 107,	O
57	Colloquium : Quantum anomalous Hall effect. <b>2023</b> , 95,	3
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43	Detrimental effects of disorder in two-dimensional time-reversal invariant topological superconductors. <b>2023</b> , 107,	0
42	Logical Majorana zero modes in a nanowire network. <b>2023</b> , 107,	Ο
41	In search of Majorana.	Ο
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39	Temperature-tuned Fermi-surface topology and segmentation in noncentrosymmetric superconductors. <b>2023</b> , 107,	0
38	Increased localization of Majorana modes in antiferromagnetic chains on superconductors. <b>2023</b> , 107,	O
37	Proximity-induced superconductivity in epitaxial topological insulator/graphene/gallium heterostructures.	0
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22	Machine Learning Optimization of Majorana Hybrid Nanowires. <b>2023</b> , 130,	Ο
21	Tailoring the phase transition from topological superconductor to trivial superconductor induced by magnetic textures of a spin chain on a p -wave superconductor. <b>2023</b> , 107,	O
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