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Superconducting proximity effect and majorana fermions at the surface of a topological insulator

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1633	Majorana bound states and nonlocal spin correlations in a quantum wire on an unconventional superconductor. <i>Physical Review Letters</i> , <b>2013</b> , 110, 117002	101
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1628	Andreev bound states and current-phase relations in three-dimensional topological insulators. <b>2013</b> , 87,	41
1627	Majorana fermions and odd-frequency Cooper pairs in a normal-metal nanowire proximity-coupled to a topological superconductor. <b>2013</b> , 87,	89
1626	Pairing instabilities in topological insulator quantum wells. <b>2013</b> , 87,	3
1625	Phase-locked magnetoconductance oscillations as a probe of Majorana edge states. <b>2013</b> , 87,	13
1624	Unpaired Floquet Majorana fermions without magnetic fields. <b>2013</b> , 87,	58
1623	Topological phase diagrams of bulk and monolayer TiS2-x Tex. <i>Physical Review Letters</i> , <b>2013</b> , 110, 07720 <del>2</del> ,.4	38
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1621	Photoelectron spin-flipping and texture manipulation in a topological insulator. <b>2013</b> , 9, 293-298	152

1620	Fractional topological superconductor with fractionalized Majorana fermions. <b>2013</b> , 87,	121
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1617	Majorana fermions in spin-singlet nodal superconductors with coexisting noncollinear magnetic order. <i>Physical Review Letters</i> , <b>2013</b> , 110, 096403 $7.4$	21
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1614	Progress, challenges, and opportunities in two-dimensional materials beyond graphene. <b>2013</b> , 7, 2898-926	3414
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1612	Quantum interference and Aharonov-Bohm oscillations in topological insulators. <b>2013</b> , 76, 056501	113
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1589	Phase diagram and electronic indication of high-temperature superconductivity at 65 K in single-layer FeSe films. <b>2013</b> , 12, 605-10		585
1588	Quasi-topological phases of matter and topological protection. <b>2013</b> , 87,		37
1587	Crystal structure and chemistry of topological insulators. <b>2013</b> , 1, 3176		164
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1580	Majorana fermions in semiconductor nanowires: fundamentals, modeling, and experiment. <b>2013</b> , 25, 233201		306
1579	Direct measurement of current-phase relations in superconductor/topological insulator/superconductor junctions. <b>2013</b> , 13, 3086-92		44
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1573	Multiband s-wave topological superconductors: Role of dimensionality and magnetic field response. <b>2013</b> , 87,		23
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1568	Topological superfluid in a fermionic bilayer optical lattice. <b>2013</b> , 86, 1		1
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1558	Transport across a junction of topological insulators and a superconductor. <b>2013</b> , 87,	13
1557	Topological metal behavior in GeBi2Te4 single crystals. <b>2013</b> , 88,	7
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1554	Reproducible Synthetic Method for the Topological Superconductor CuxBi2Se3. <b>2013</b> , 82, 063702	7
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1549	A new non-Abelian topological superfluid of cold Fermi gases in anisotropic and spin-dependent optical lattices. <b>2013</b> , 46, 025301	1

## (2013-2013)

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1544	Robustness of topological order in semiconductor uperconductor nanowires in the Coulomb blockade regime. <b>2013</b> , 15, 085003	3
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1542	Topological Insulators. <b>2013</b> , 123-139	5
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1539	Spontaneous breaking of time-reversal symmetry in the orbital channel for the boundary Majorana flat bands. <b>2013</b> , 15, 085002	19
1538	Fractional Josephson effect in a quadruple quantum dot. <b>2013</b> , 15, 085018	10
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1534	Chaotic quantum transport near the charge neutrality point in inverted type-II InAs/GaSb field-effect transistors. <b>2013</b> , 102, 033504	13
1533	Emergence of Majorana modes in cylindrical nanowires. <b>2013</b> , 103, 37004	17
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1523	Confined states and spin polarization on a topological insulator thin film modulated by an electric potential. <b>2013</b> , 22, 077310		5
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1520	Detecting Majorana fermions by nonlocal entanglement between quantum dots. <b>2013</b> , 87,		32
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1518	Modulation of Majorana-induced current cross-correlations by quantum dots. <i>Physical Review Letters</i> , <b>2013</b> , 111, 036802	7.4	79
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1515	Chiral f-wave topological superfluid in triangular optical lattices. 2013, 87,		6
1514	Gate-Defined Wires in HgTe Quantum Wells: From Majorana Fermions to Spintronics. 2013, 3,		9
1513	Inhomogeneous topological superfluidity in one-dimensional spin-orbit-coupled Fermi gases. <i>Physical Review Letters</i> , <b>2013</b> , 111, 235302	7.4	46

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1510	Proposed method for tunneling spectroscopy with ohmic dissipation using resistive electrodes: a possible Majorana filter. <i>Physical Review Letters</i> , <b>2013</b> , 111, 207003	7.4	14
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1508	Majorana modes in smooth normal-superconductor nanowire junctions. <b>2013</b> , 88,		4
1507	Experimental verification of the surface termination in the topological insulator TlBiSe2 using core-level photoelectron spectroscopy and scanning tunneling microscopy. <b>2013</b> , 88,		19
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1505	Majorana fermions on the Abrikosov flux lattice in a px+ipy superconductor. <b>2013</b> , 88,		13
1504	Proximity-induced unconventional superconductivity in topological insulators. 2013, 87,		77
1503	Bound states at impurities as a probe of topological superconductivity in nanowires. <b>2013</b> , 88,		53
1502	Majorana fermions qubit states and non-Abelian braiding statistics in quenched inhomogeneous spin ladders. <b>2013</b> , 88,		4
1501	Josephson Supercurrent through the Topological Surface States of Strained Bulk HgTe. <b>2013</b> , 3,		60
1500	Suppression of surface p-wave superconductivity in disordered topological insulators. <b>2013</b> , 87,		30
1499	Interaction proximity effect at the interface between a superconductor and a topological insulator quantum well. <b>2013</b> , 87,		5
1498	Phases in two dimensional px+ipy superconducting systems with next-nearest-neighbor interactions. <b>2013</b> , 88,		7
1497	Surface termination of cleaved Bi2Se3 investigated by low energy ion scattering. <i>Physical Review Letters</i> , <b>2013</b> , 110, 156101	7.4	46
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1487	Topological properties of the time-reversal-symmetric Kitaev chain and applications to organic superconductors. <b>2013</b> , 88,		33
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1485	Manipulating Majorana fermions in quantum nanowires with broken inversion symmetry. <b>2013</b> , 87,		23
1484	Localized many-particle Majorana modes with vanishing time-reversal symmetry breaking in double quantum dots. <i>Physical Review Letters</i> , <b>2013</b> , 111, 096801	7.4	10
1483	Tunneling spectra simulation of interacting Majorana wires. <b>2013</b> , 88,		56
1482	Weak symmetry breaking in two-dimensional topological insulators. <b>2013</b> , 88,		25
1481	Revealing Majorana fermion states in a superfluid of cold atoms subject to a harmonic potential. <b>2013</b> , 88,		9
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## (2013-2013)

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1475	Realization of a vortex in the Kekule texture of molecular graphene at a Y junction where three domains meet. <b>2013</b> , 87,		6
1474	Generation and manipulation of localized modes in Floquet topological insulators. 2013, 88,		19
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1467	Topologically trivial zero-bias conductance peak in semiconductor Majorana wires from boundary effects. <b>2013</b> , 88,		41
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1465	Enhancing the thermal stability of Majorana fermions with redundancy using dipoles in optical lattices. <i>Physical Review Letters</i> , <b>2013</b> , 111, 220401	7.4	3
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1462	Effect of thermal fluctuations in topological p-wave superconductors. 2013, 87,		10
1461	Non-Abelian statistics of vortices with non-Abelian Dirac fermions. <b>2013</b> , 87, 052142		6
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1459	Variational Monte Carlo study of spin-polarization stability of fractional quantum Hall states against realistic effects in half-filled Landau levels. <b>2013</b> , 87,		15

1458	Two types of topological transitions in finite Majorana wires. <b>2013</b> , 87,		27
1457	Symmetry-protected Majorana fermions in topological crystalline superconductors: theory and application to Sr2RuO4. <i>Physical Review Letters</i> , <b>2013</b> , 111, 087002	7.4	101
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1455	Three-dimensional topological insulator quantum dot for optically controlled quantum memory and quantum computing. <b>2013</b> , 88,		27
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1453	Disentangling Majorana fermions from topologically trivial low-energy states in semiconductor Majorana wires. <b>2013</b> , 87,		17
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1451	Roton-assisted chiral p-wave superfluid in a quasi-two-dimensional dipolar Bose-Fermi quantum-gas mixture. <b>2013</b> , 88,		
1450	Vortex states and Majorana fermions in spin-orbit coupled semiconductor-superconductor hybrid structures. <b>2013</b> , 88,		26
1449	Transport signatures of Floquet Majorana fermions in driven topological superconductors. <i>Physical Review Letters</i> , <b>2013</b> , 111, 136402	7.4	156
		7.4	156 45
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Magnetic order on a topological insulator surface with warping and proximity-induced superconductivity. <b>2015</b> , 91,	12
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Effective response theory for zero-energy Majorana bound states in three spatial dimensions. <b>20</b> 91,	<b>15</b> , 4
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Engineering the topological surface states in the (Sb2)mBb2Te3(m=0B) superlattice series. <b>2015</b> , 91,	17
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Multiple Andreev reflections in s-wave superconductorquantum dotEopological superconductor tunnel junctions and Majorana bound states. <b>2015</b> , 91,	9
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Dirac metal to topological metal transition at a structural phase change in Au2Pb and prediction Z2 topology for the superconductor. <b>2015</b> , 91,	of 37
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Vortex detection and quantum transport in mesoscopic graphene Josephson-junction arrays. <b>20</b> 1 91,	<b>15</b> , 2
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Fully gapped superconductivity in In-doped topological crystalline insulator Pb0.5Sn0.5Te. <b>2015</b> , 92,	12

# (2015-2015)

Topological odd-parity superconductivity at type-II two-dimensional van Hove singularities. <b>2015</b> , 92,	34
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Phase diagram of the Z3 parafermionic chain with chiral interactions. <b>2015</b> , 92,	40
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Spin- and pseudospin-polarized quantum Hall liquids in HgTe quantum wells. <b>2015</b> , 92,	3
Equivalence of topological mirror superconductivity and chiral superconductivity in one dimension.  2015, 92,	3
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Magnification of signatures of a topological phase transition by quantum zero point motion. <b>2015</b> , 92,	4
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Large-gap two-dimensional topological insulator in oxygen functionalized MXene. <b>2015</b> , 92,  Interaction-enabled topological phases in topological insulator uperconductor heterostructures. <b>2015</b> , 92,	169 18
Interaction-enabled topological phases in topological insulator uperconductor heterostructures.	Í
Interaction-enabled topological phases in topological insulator uperconductor heterostructures.  2015, 92,  Robust local and nonlocal transport in the topological Kondo insulator SmB6 in the presence of a	18
Interaction-enabled topological phases in topological insulator uperconductor heterostructures.  2015, 92,  Robust local and nonlocal transport in the topological Kondo insulator SmB6 in the presence of a high magnetic field. 2015, 92,	18
Interaction-enabled topological phases in topological insulator uperconductor heterostructures.  2015, 92,  Robust local and nonlocal transport in the topological Kondo insulator SmB6 in the presence of a high magnetic field. 2015, 92,  Creating nanostructured superconductors on demand by local current annealing. 2015, 92,	18 10 8
Interaction-enabled topological phases in topological insulatorBuperconductor heterostructures.  2015, 92,  Robust local and nonlocal transport in the topological Kondo insulator SmB6 in the presence of a high magnetic field. 2015, 92,  Creating nanostructured superconductors on demand by local current annealing. 2015, 92,  Magnetic phase transition in Fe-doped topological insulator Bi2Se3. 2015, 92,	18 10 8
Interaction-enabled topological phases in topological insulator Buperconductor heterostructures.  2015, 92,  Robust local and nonlocal transport in the topological Kondo insulator SmB6 in the presence of a high magnetic field. 2015, 92,  1104 Creating nanostructured superconductors on demand by local current annealing. 2015, 92,  1103 Magnetic phase transition in Fe-doped topological insulator Bi2Se3. 2015, 92,  1102 Multiple signatures of topological transitions for interacting fermions in chain lattices. 2015, 92,  Magnetotransport measurements of the surface states of samarium hexaboride using Corbino	18 10 8 21 28

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Quantum anomalous Hall effect with field-tunable Chern number near Z2 topological critical point. <b>2015</b> , 92,	3
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Investigating the differences between Co adatoms states on surfaces of selected bismuth chalcogenides. <b>2015</b> , 92,	4
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$_{1083}$ From an array of quantum wires to three-dimensional fractional topological insulators. <b>2015</b> , 92,	26
Chirality-protected Majorana zero modes at the gapless edge of Abelian quantum Hall states. <b>2015</b> , 92,	10
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## (2015-2015)

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1057	Majorana braiding dynamics in nanowires. <b>2015</b> , 91,	26
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1055	Topological superconductivity in Rashba semiconductors without a Zeeman field. <b>2015</b> , 92,	15
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1052	Kibble-Zurek mechanism in a topological phase transition. <b>2015</b> , 92,  Superconductivity in Weyl metals. <b>2015</b> , 92,  Spin-charge transport driven by magnetization dynamics on the disordered surface of doped	6 89
1052 1051 1050	Kibble-Zurek mechanism in a topological phase transition. <b>2015</b> , 92,  Superconductivity in Weyl metals. <b>2015</b> , 92,  Spin-charge transport driven by magnetization dynamics on the disordered surface of doped topological insulators. <b>2015</b> , 92,  Chiral topological superconductor and half-integer conductance plateau from quantum anomalous	6 89 11
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### (2015-2015)

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1043	Topological effects on transition temperatures and response functions in three-dimensional Fermi superfluids. <b>2015</b> , 92,		2
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## (2015-2015)

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629       Pb/Bit heterostructure as a versatile platform to realize topological superconductivity.       0         628       Electron-magnon coupling and quasiparticle lifetimes on the surface of a topological insulator.       0         627       Helical and topological phase detection based on nonlocal conductance measurements in a three-terminal junction. 2021, 104.       0         626       Comprehensive analysis of Terahertz frequency response of BizSe3 and BizTe3 single crystals using Terahertz time-domain spectroscopy. 2021, 272, 115355       1         625       Van der Waals heterostructures based on three-dimensional topological insulators. 2021, 25, 100939       3         624       Shot Noise in Mesoscopic Systems: From Single Particles to Quantum Liquids. 2021, 90, 102001       3         625       Van der Waals heterostructures based on three-dimensional topological insulators. 2021, 25, 100939       2         624       Shot Noise in Mesoscopic Systems: From Single Particles to Quantum Liquids. 2021, 90, 102001       3         625       Van der Waals heterostructures based on three-dimensional topological insulators. 2021, 90, 102001       3         626       Band tuning and channel reconfiguration of sound waves in coding topological metamaterials. 2021, 184, 108348       1         627       Birutal, 108449       108449       1         628       Brutal, 108449       108449       1         629       Birutal, 108449	630	Reconstructed conventional bulk-boundary correspondence in the non-Hermitian s-wave nodal-ring superconductor. <b>2021</b> , 104,	
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## (2023-2023)

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71	Symmetry and Topology. <b>2022</b> , 1-70	O
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69	Heteroepitaxial Control of Fermi Liquid, Hund Metal, and Mott Insulator Phases in Single-Atomic-Layer Ruthenates. 2208833	O
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59	Spin-projected charge conductance in SNN junctions with noncentrosymmetric superconductors. <b>2023</b> , 5,	O
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55	Observation of Gapped Topological Surface States and Isolated Surface Resonances in PdTe2 Ultrathin Films. <b>2023</b> , 23, 1752-1757	O

54	Observation of the Superconducting Proximity Effect from Surface States in SmB6/YB6 Thin Film Heterostructures via Terahertz Spectroscopy. <b>2023</b> , 130,	0
53	Josephson dc Current through T-Shaped Double-Quantum-Dots Hybridized to Majorana Nanowires. <b>2023</b> , 13, 523	О
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51	Probing Fermi Sea Topology by Andreev State Transport. <b>2023</b> , 130,	О
50	Bilinear Planar Hall Effect in Topological Insulators Due to Spin-Momentum Locking Inhomogeneity. 2200483	0
49	Cross-Correlation Investigation of Anyon Statistics in the 월1/3 and 2/5 Fractional Quantum Hall States. <b>2023</b> , 13,	О
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47	Anisotropic differential conductance of a mixed-parity superconductor/ferromagnet structure. <b>2023</b> , 107,	О
46	Coulomb blockade of chiral Majorana and complex fermions far from equilibrium. 2023, 107,	0
45	The Raman Spectra of Co-, Fe-, and Mn-doped Bi2Se3 Single Crystals. <b>2023</b> , 13, 456	О
44	Topological states and competing magnetic fluctuations in iron germanides. 2023, 107,	0
43	Proximity effect and inverse proximity effect in a topological-insulator/iron-based-superconductor heterostructure. <b>2023</b> , 107,	O
42	Statistical Majorana Bound State Spectroscopy. <b>2023</b> , 130,	0
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40	Systematic study for two-dimensional Z2 topological phase transitions at high-symmetry points in all layer groups. <b>2023</b> , 107,	O
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## (2023-2023)

36	Non-Abelian topological superconductivity in maximally twisted double-layer spin-triplet valley-singlet superconductors. <b>2023</b> , 6,	О
35	Monolayer Superconductivity and Tunable Topological Electronic Structure at the Fe(Te,Se)/Bi 2 Te 3 Interface.	O
34	Confined vs. extended Dirac surface states in topological crystalline insulator nanowires. 2023, 6,	О
33	Control of Andreev Bound States Using Superconducting Phase Texture. <b>2023</b> , 130,	O
32	Higher-order topological superconductivity in twisted bilayer graphene. 2023, 107,	0
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