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## Topological insulators in three dimensions

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2321	Topological insulators beyond the Brillouin zone via Chern parity. <b>2007</b> , 76,		84
2320	Z2 topological term, the global anomaly, and the two-dimensional symplectic symmetry class of Anderson localization. <i>Physical Review Letters</i> , <b>2007</b> , 99, 116601	7.4	91
2319	Tuning phase transition between quantum spin Hall and ordinary insulating phases. <b>2007</b> , 76,		100
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2317	Topological delocalization of two-dimensional massless Dirac fermions. <i>Physical Review Letters</i> , <b>2007</b> , 99, 146806	7.4	208
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2313	Classification of topological insulators and superconductors in three spatial dimensions. <b>2008</b> , 78,		2083
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2117	Single Dirac cone topological surface state and unusual thermoelectric property of compounds from a new topological insulator family. <i>Physical Review Letters</i> , <b>2010</b> , 105, 266401	7.4	167
2116	Magneto-optical and magnetoelectric effects of topological insulators in quantizing magnetic fields. <b>2010</b> , 82,		79
2115	Zero-gap materials for future spintronics, electronics and optics. <b>2010</b> , 2, 31-38		145
2114	Wilson fermions and axion electrodynamics in optical lattices. <i>Physical Review Letters</i> , <b>2010</b> , 105, 190404	7.4	120
2113	New family of three-dimensional topological insulators with antiperovskite structure. <i>Physical Review Letters</i> , <b>2010</b> , 105, 216406	7.4	72
2112	Topological insulators and superconductors from string theory. <b>2010</b> , 82,		16
2111	Local unitary transformation, long-range quantum entanglement, wave function renormalization, and topological order. <b>2010</b> , 82,		429
2110	Giant magneto-optical Kerr effect and universal Faraday effect in thin-film topological insulators. <i>Physical Review Letters</i> , <b>2010</b> , 105, 057401	7.4	373
2109	Collective modes of a helical liquid. <i>Physical Review Letters</i> , <b>2010</b> , 104, 116401	7.4	163
2108	Coexistence of the topological state and a two-dimensional electron gas on the surface of Bi <sub>2</sub> (2)Se <sub>3</sub> . <b>2010</b> , 1, 128		361
2107	Simulating and detecting the quantum spin Hall effect in the kagome optical lattice. <b>2010</b> , 82,		40

2106	Interaction-driven topological insulators on the kagome and the decorated honeycomb lattices. <b>2010, 82,</b>		124
2105	Crossed Andreev reflection on a topological insulator. <b>2010, 108, 103904</b>		9
2104	Topological defects and gapless modes in insulators and superconductors. <b>2010, 82,</b>		464
2103	Spin helix of magnetic impurities in two-dimensional helical metal. <b>2010, 90, 47001</b>		31
2102	Theory of quasiparticle interference on the surface of a strong topological insulator. <b>2010, 81,</b>		63
2101	Probing surface states of topological insulators: Kondo effect and Friedel oscillations in a magnetic field. <b>2010, 82,</b>		30
2100	Oscillatory angular dependence of the magnetoresistance in a topological insulator Bi <sub>1-x</sub> Sb <sub>x</sub> . <b>2010, 82,</b>		68
2099	Mott scattering at the interface between a metal and a topological insulator. <b>2010, 82,</b>		15
2098	Interplay between superconductivity and ferromagnetism on a topological insulator. <b>2010, 81,</b>		105
2097	Structure and oscillatory multilayer relaxation of the bismuth (100) surface. <b>2010, 12, 063016</b>		5
2096	Topological confinement in graphene bilayer quantum rings. <b>2010, 96, 212108</b>		27
2095	Topological order parameters for interacting topological insulators. <i>Physical Review Letters</i> , <b>2010, 105, 256803</b>	7.4	143
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2093	Topological quantization in units of the fine structure constant. <i>Physical Review Letters</i> , <b>2010, 105, 166803</b>		175
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2091	Inverse spin-galvanic effect in the interface between a topological insulator and a ferromagnet. <i>Physical Review Letters</i> , <b>2010, 104, 146802</b>	7.4	310
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2089	Topological insulators on the Lieb and perovskite lattices. <b>2010, 82,</b>		158

2088	Effective continuous model for surface states and thin films of three-dimensional topological insulators. <b>2010</b> , 12, 043048	252
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2086	Theory of in-plane magnetoresistance in two-dimensional massless Dirac fermion system. <b>2010</b> , 82,	10
2085	Chern number of thin films of the topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <b>2010</b> , 82,	72
2084	Translation-invariant topological superconductors on a lattice. <b>2010</b> , 82,	8
2083	Characterizing topological order in superconducting systems. <b>2010</b> , 82,	1
2082	Doping effects of Sb and Pb in epitaxial topological insulator Bi <sub>2</sub> Se <sub>3</sub> thin films: An in situ angle-resolved photoemission spectroscopy study. <b>2010</b> , 97, 194102	40
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2080	Optimizing Bi <sub>2</sub> Sb <sub>x</sub> Te <sub>3</sub> Se <sub>y</sub> solid solutions to approach the intrinsic topological insulator regime. <b>2011</b> , 84,	217
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2076	Topological Insulators from Spontaneous Symmetry Breaking Induced by Electron Correlation on Pyrochlore Lattices. <b>2011</b> , 80, 044708	57
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2074	Symmetries, dimensions and topological insulators: the mechanism behind the face of the Bott clock. <b>2011</b> , 44, 045001	52
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2071	Topological response theory of doped topological insulators. <i>Physical Review Letters</i> , <b>2011</b> , 107, 2066027.4	17

2070	Topological aspect and quantum magnetoresistance of $\text{Hg}_2\text{Te}$ . <i>Physical Review Letters</i> , <b>2011</b> , 106, 156804	7.4	155
2069	Impurity effect on weak antilocalization in the topological insulator $\text{Bi}_2\text{Te}_3$ . <i>Physical Review Letters</i> , <b>2011</b> , 106, 166805	7.4	356
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2065	Correlated topological insulators and the fractional magnetoelectric effect. <b>2011</b> , 83,		114
2064	Gaps tunable by electrostatic gates in strained graphene. <b>2011</b> , 83,		107
2063	Spin Hall Effect. <b>2011</b> , 222-278		7
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2061	Axion response in gapless systems. <i>Physical Review Letters</i> , <b>2011</b> , 107, 176801	7.4	13
2060	Surface state band mobility and thermopower in semiconducting bismuth nanowires. <b>2011</b> , 83,		30
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2058	Reactive chemical doping of the $\text{Bi}_2\text{Se}_3$ topological insulator. <i>Physical Review Letters</i> , <b>2011</b> , 107, 177602	7.4	216
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2055	Evidence for helical edge modes in inverted $\text{InAs}/\text{GaSb}$ quantum wells. <i>Physical Review Letters</i> , <b>2011</b> , 107, 136603	7.4	696
2054	CO oxidation facilitated by robust surface states on Au-covered topological insulators. <i>Physical Review Letters</i> , <b>2011</b> , 107, 056804	7.4	89
2053	Symmetry-protected topological orders of one-dimensional spin systems with $D_{2+T}$ symmetry. <b>2011</b> , 84,		16



2052	Common origin of the circular-dichroism pattern in angle-resolved photoemission spectroscopy of SrTiO <sub>3</sub> and Cu(x)Bi <sub>2</sub> Se <sub>3</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 107, 077601	7.4	31
2051	Energy spectrum of Dirac electrons on the surface of a topological insulator modulated by a spiral magnetization superlattice. <b>2011</b> , 83,		9
2050	Electrical switching of the edge channel transport in HgTe quantum wells with an inverted band structure. <b>2011</b> , 83,		59
2049	Spin and momentum filtering of electrons on the surface of a topological insulator. <b>2011</b> , 98, 162101		30
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2044	Wannier representation of Z <sub>2</sub> topological insulators. <b>2011</b> , 83,		267
2043	Raman spectroscopy of few-quintuple layer topological insulator Bi <sub>2</sub> Se <sub>3</sub> nanoplatelets. <b>2011</b> , 11, 2407-14		338
2042	Sb <sub>2</sub> Te <sub>3</sub> : A Promising Candidate for a Topological Insulator. <b>2011</b> , 80, 123710		154
2041	Rashba spin-splitting control at the surface of the topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 107, 186405	7.4	146
2040	Anomalous galvanomagnetism, cyclotron resonance, and microwave spectroscopy of topological insulators. <b>2011</b> , 84,		24
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2038	Generalized quantization condition for topological insulators. <b>2011</b> , 83,		22
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2036	Electromagnetic spin polarization on the surface of topological insulator. <b>2011</b> , 84,		27
2035	Antiferromagnet topological insulators with AB <sub>2</sub> C Heusler structure. <b>2011</b> , 83,		21

2034	Observation of backscattering-immune chiral electromagnetic modes without time reversal breaking. <i>Physical Review Letters</i> , <b>2011</b> , 107, 023901	7.4	25
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2030	Direct observation of broken time-reversal symmetry on the surface of a magnetically doped topological insulator. <i>Physical Review Letters</i> , <b>2011</b> , 106, 206805	7.4	126
2029	Proposal for a topological plasmon spin rectifier. <b>2011</b> , 98, 023103		31
2028	Theoretical investigation of the evolution of the topological phase of Bi <sub>2</sub> Se <sub>3</sub> under mechanical strain. <b>2011</b> , 84,		91
2027	Quantum Hall effect in a singly and doubly connected three-dimensional topological insulator. <b>2011</b> , 84,		27
2026	Evolution of surface states in Bi <sub>1-x</sub> Sb <sub>x</sub> alloys across the topological phase transition. <b>2011</b> , 83,		30
2025	Surface edge state and half-quantized Hall conductance in topological insulators. <b>2011</b> , 84,		54
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2023	Molecular beam epitaxy and characterization of thin Bi <sub>2</sub> Se <sub>3</sub> films on Al <sub>2</sub> O <sub>3</sub> (110). <b>2011</b> , 99, 013111		47
2022	Superconducting proximity effect and possible evidence for Pearl vortices in a candidate topological insulator. <b>2011</b> , 84,		115
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2011	Topological crystalline insulators. <i>Physical Review Letters</i> , <b>2011</b> , 106, 106802	7.4	1194
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2002	Two-dimensional symmetry-protected topological orders and their protected gapless edge excitations. <b>2011</b> , 84,		211
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1999	Gapped quantum phases for the S=1 spin chain with D <sub>2h</sub> symmetry. <b>2011</b> , 84,		16

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1994	Spin-charge locking and tunneling into a helical metal. <b>2011</b> , 93, 67004		36
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1991	The dirt on topology. <b>2011</b> , 7, 8-10		8
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1989	Three- and two-dimensional topological insulators in Pb <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> , Pb <sub>2</sub> Bi <sub>2</sub> Te <sub>5</sub> , and Pb <sub>2</sub> Bi <sub>2</sub> Se <sub>5</sub> layered compounds. <b>2011</b> , 94, 217-221		16
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1987	Feasibility of self-correcting quantum memory and thermal stability of topological order. <b>2011</b> , 326, 2566-2633		43
1986	Quantum Hall effect from the topological surface states of strained bulk HgTe. <i>Physical Review Letters</i> , <b>2011</b> , 106, 126803	7.4	376
1985	Opportunities in chemistry and materials science for topological insulators and their nanostructures. <b>2011</b> , 3, 845-9		199
1984	Computing topological invariants without inversion symmetry. <b>2011</b> , 83,		324
1983	Effects of magnetic anisotropy on the subgap excitations induced by quantum impurities in a superconducting host. <b>2011</b> , 83,		32
1982	Evidence for electron-electron interaction in topological insulator thin films. <b>2011</b> , 83,		211
1981	Spin texture and magnetic anisotropy of Co impurities in Bi <sub>2</sub> Se <sub>3</sub> topological insulators. <b>2011</b> , 84,		45

1980	Spin susceptibility and helical magnetic order at the edges/surfaces of topological insulators due to Fermi surface nesting. <b>2011</b> , 83,	25
1979	Three-Dimensional Topological Insulators. <b>2011</b> , 2, 55-78	386
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1975	Trace index and spectral flow in the entanglement spectrum of topological insulators. <b>2011</b> , 84,	51
1974	Anomalous quantum Hall effect of 4D lattice QCD in background fields. <b>2011</b> , 2011, 1	2
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1969	Introduction to the theory of the integer quantum Hall effect. <b>2011</b> , 12, 323-331	2
1968	Topological BF field theory description of topological insulators. <b>2011</b> , 326, 1515-1535	114
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1965	In-plane magnetoresistance on the surface of topological insulator. <b>2011</b> , 43, 966-970	18
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1960	An isolated Dirac cone on the surface of ternary tetradymite-like topological insulators. <b>2011</b> , 13, 095005		31
1959	Intrinsic quasi-particle dynamics of topological metallic states. <b>2011</b> , 13, 013008		12
1958	Induced spin texture in semiconductor/topological insulator heterostructures. <b>2011</b> , 84,		24
1957	Spin connection and boundary states in a topological insulator. <b>2011</b> , 83,		29
1956	Spin distribution in the diffraction pattern of a two-dimensional electron gas with spin-orbit coupling. <b>2011</b> , 84,		
1955	Chern-Simons orbital magnetoelectric coupling in generic insulators. <b>2011</b> , 83,		69
1954	Vortex lines in topological insulator-superconductor heterostructures. <b>2011</b> , 84,		52
1953	Instability of topological order and localization of edge states in HgTe quantum wells coupled to s-wave superconductor. <b>2011</b> , 84,		8
1952	Casimir interaction between topological insulators with finite surface band gap. <b>2011</b> , 84,		19
1951	Quantum corrals and quantum mirages on the surface of a topological insulator. <b>2011</b> , 84,		13
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1948	Stable nontrivial Z <sub>2</sub> topology in ultrathin Bi (111) films: a first-principles study. <i>Physical Review Letters</i> , <b>2011</b> , 107, 136805	7.4	253
1947	Straining topological insulators as a way to detect Majorana fermions. <b>2011</b> , 84,		7
1946	Magneto-optical Faraday and Kerr effects in topological insulator films and in other layered quantized Hall systems. <b>2011</b> , 84,		125
1945	Abelian and non-Abelian anyons in integer quantum anomalous Hall effect and topological phase transitions via superconducting proximity effect. <b>2011</b> , 83,		9

1944	Spin polarization and charge transmission for a waveguide on surface of topological insulator. <b>2011</b> , 99, 153104		13
1943	Quantum anomalous Hall states in the p-orbital honeycomb optical lattices. <b>2011</b> , 83,		42
1942	Weak topological insulator with protected gapless helical states. <b>2011</b> , 84,		41
1941	Passage from spin-polarized surface states to unpolarized quantum well states in topologically nontrivial Sb films. <i>Physical Review Letters</i> , <b>2011</b> , 107, 036802	7.4	57
1940	Quantum Hall effect in thin films of three-dimensional topological insulators. <b>2011</b> , 84,		13
1939	Hydrodynamic theory of surface excitations of three-dimensional topological insulators. <b>2011</b> , 83,		
1938	Photoemission-induced gating of topological insulators. <b>2011</b> , 83,		31
1937	High Chern number quantum anomalous Hall phases in single-layer graphene with Haldane orbital coupling. <b>2011</b> , 84,		33
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1929	Scattering from surface step edges in strong topological insulators. <b>2011</b> , 83,		32
1928	Low-velocity anisotropic Dirac fermions on the side surface of topological insulators. <b>2011</b> , 84,		39
1927	Metacinnabar (HgS): a strong 3D topological insulator with highly anisotropic surface states. <i>Physical Review Letters</i> , <b>2011</b> , 106, 236806	7.4	45

1926	Berry phase of nonideal Dirac fermions in topological insulators. <b>2011</b> , 84,		133
1925	Particle-hole symmetry and interaction effects in the Kane-Mele-Hubbard model. <b>2011</b> , 84,		130
1924	Candidates for topological insulators: Pb-based chalcogenide series. <b>2011</b> , 83,		50
1923	Spin-polarized STM spectra of Dirac electrons on the surface of a topological insulator. <b>2011</b> , 84,		12
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1921	Energy spectrum and broken spin-surface locking in topological insulator quantum dots. <b>2011</b> , 83,		31
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1916	Absence of topological insulator phases in non-Hermitian PT-symmetric Hamiltonians. <b>2011</b> , 84,		152
1915	Topological field theory and thermal responses of interacting topological superconductors. <b>2011</b> , 84,		89
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1913	Surface spectral function in the superconducting state of a topological insulator. <b>2011</b> , 83,		74
1912	Gapless surface states in a lattice of coupled cavities: A photonic analog of topological crystalline insulators. <b>2011</b> , 84,		26
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1910	Theory of quantum spin Hall effect detection by measurements of the polarization resistance. <b>2011</b> , 83,		2
1909	Widespread spin polarization effects in photoemission from topological insulators. <b>2011</b> , 84,		97



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1878	Topologically protected extended states in disordered quantum spin-Hall systems without time-reversal symmetry. <b>2012</b> , 85,	16
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1874	Quantum magnetotransport properties of topological insulators under strain. <b>2012</b> , 86,	8
1873	Kondo tunneling into a quantum spin Hall insulator. <b>2012</b> , 85,	2

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1869	Topological charge pumping effect by the magnetization dynamics on the surface of three-dimensional topological insulators. <b>2012</b> , 85,		20
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1807	Gate-tuned differentiation of surface-conducting states in Bi <sub>1.5</sub> Sb <sub>0.5</sub> Te <sub>1.7</sub> Se <sub>1.3</sub> topological-insulator thin crystals. <b>2012</b> , 86,		75
1806	Finite-size energy gap in weak and strong topological insulators. <b>2012</b> , 86,		36
1805	Interaction induced staggered spin-orbit order in two-dimensional electron gas. <i>Physical Review Letters</i> , <b>2012</b> , 109, 246406	7.4	10
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1803	Symmetry-protected topological orders in interacting bosonic systems. <b>2012</b> , 338, 1604-6		396
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1784	Spatial distribution of spin polarization in a channel on the surface of a topological insulator. <b>2012</b> , 24, 185301		3
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1781	Fractional quantum-Hall liquid spontaneously generated by strongly correlated t(2g) electrons. <i>Physical Review Letters</i> , <b>2012</b> , 108, 126405	7.4	63
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1769	Scanning tunneling microscopy of two-dimensional semiconductors: Spin properties and disorder. <b>2012</b> , 44, 1795-1814		21
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1760	Prediction of weak topological insulators in layered semiconductors. <i>Physical Review Letters</i> , <b>2012</b> , 109, 116406	7-4	74
1759	Unwinding of a one-dimensional topological superconductor. <b>2012</b> , 86,		4
1758	Symmetries and weak localization and antilocalization of Dirac fermions in HgTe quantum wells. <b>2012</b> , 86,		20
1757	Magnetically doped semiconducting topological insulators. <b>2012</b> , 112, 063912		69
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1742	Spherical topological insulator. <b>2012</b> , 86,		41
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1736	Terahertz photon mixing effect in graphene and topological insulator. <b>2012</b> ,		
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1734	Exchange field-induced topological phase transition in ultrathin films of three-dimension topological insulators. <b>2012</b> , 100, 27005		1
1733	Photoemission spectroscopy of magnetic and nonmagnetic impurities on the surface of the Bi <sub>2</sub> Se <sub>3</sub> topological insulator. <i>Physical Review Letters</i> , <b>2012</b> , 108, 117601	7.4	164
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1731	Shockley model description of surface states in topological insulators. <b>2012</b> , 86,		86
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1514	Superconductivity in topological insulator Sb <sub>2</sub> Te <sub>3</sub> induced by pressure. <b>2013</b> , 3, 2016		113
1513	The helical surface states of the S-covered topological insulator Sb <sub>2</sub> Te <sub>3</sub> (0001). <b>2013</b> , 25, 265005		1

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1511	Engineering three-dimensional topological insulators in Rashba-type spin-orbit coupled heterostructures. <b>2013</b> , 4, 1972		32
1510	Quantum capacitance of an ultrathin topological insulator film in a magnetic field. <b>2013</b> , 3, 1261		14
1509	Stabilization of the quantum spin Hall effect by designed removal of time-reversal symmetry of edge states. <i>Physical Review Letters</i> , <b>2013</b> , 110, 266802	7.4	32
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1507	Persistent coherence and spin polarization of topological surface states on topological insulators. <b>2013</b> , 88,		16
1506	Entanglement spectrum classification of C <sub>n</sub> -invariant noninteracting topological insulators in two dimensions. <b>2013</b> , 87,		53
1505	Surface state magnetization and chiral edge states on topological insulators. <i>Physical Review Letters</i> , <b>2013</b> , 110, 046404	7.4	125
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1502	Dual evidence of surface Dirac states in thin cylindrical topological insulator Bi <sub>2</sub> Te <sub>3</sub> nanowires. <b>2013</b> , 3, 1212		69
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1500	Topology and origin of effective spin meron pairs in ferromagnetic multilayer elements. <i>Physical Review Letters</i> , <b>2013</b> , 110, 177201	7.4	47
1499	New topological surface state in layered topological insulators: Unoccupied dirac cone. <b>2013</b> , 96, 780-784		12
1498	Inducing magneto-electric response in topological insulator. <b>2013</b> , 328, 26-30		4
1497	Dirac cone in $\beta$ -graphdiyne: a first-principles study. <b>2013</b> , 8, 469		32
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1495	Linear magnetoresistance in topological insulator thin films: Quantum phase coherence effects at high temperatures. <b>2013</b> , 102, 012102		112

1494	Direct optical coupling to an unoccupied dirac surface state in the topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <i>Physical Review Letters</i> , <b>2013</b> , 111, 136802	7.4	120
1493	Anomalous currents on closed surfaces: extended proximity, partial quantization and qubits. <b>2013</b> , 25, 045003		
1492	Topological insulator nanostructures. <b>2013</b> , 7, 15-25		58
1491	Effects of bulk charged impurities on the bulk and surface transport in three-dimensional topological insulators. <b>2013</b> , 117, 579-592		28
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1486	Topological metal behavior in GeBi <sub>2</sub> Te <sub>4</sub> single crystals. <b>2013</b> , 88,		7
1485	Topological Hamiltonian as an exact tool for topological invariants. <b>2013</b> , 25, 155601		45
1484	Evidence of reduced surface electron-phonon scattering in the conduction band of Bi <sub>2</sub> Se <sub>3</sub> by nonequilibrium ARPES. <b>2013</b> , 88,		42
1483	Magnetotransport and induced superconductivity in Bi based three-dimensional topological insulators. <b>2013</b> , 7, 26-38		42
1482	Electron Correlation Induced Spontaneous Symmetry Breaking and Weyl Semimetal Phase in a Strongly Spin-Orbit Coupled System. <b>2013</b> , 82, 033702		20
1481	Surface spectral function of momentum-dependent pairing potentials in a topological insulator: application to Cu <sub>x</sub> Bi <sub>2</sub> Se <sub>3</sub> . <b>2013</b> , 25, 215702		3
1480	Ab initio spin-resolved photoemission and electron pair emission from a Dirac-type surface state in W(110). <b>2013</b> , 15, 095017		13
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1478	Effect of disorder on 2D topological merging transition from a Dirac semi-metal to a normal insulator. <b>2013</b> , 102, 67010		14
1477	Vanishing of interband light absorption in a persistent spin helix state. <b>2013</b> , 3, 2828		17



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1475	Topological phase transitions with and without energy gap closing. <b>2013</b> , 15, 083042	7
1474	Three Dirac points on the (110) surface of the topological insulator Bi <sub>1-x</sub> Sb <sub>x</sub> . <b>2013</b> , 15, 103011	12
1473	A non-commutative formula for the isotropic magneto-electric response. <b>2013</b> , 46, 085205	10
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1465	Symmetry-protected topological phases with charge and spin symmetries: Response theory and dynamical gauge theory in two and three dimensions. <b>2013</b> , 88,	26
1464	Strong coupling expansion in a correlated three-dimensional topological insulator. <b>2013</b> , 87,	10
1463	Spin-helical transport in normal and superconducting topological insulators. <b>2013</b> , 250, 215-232	64
1462	Electrical switching of quantum tunneling through p-n junction in a quantum spin Hall bar. <b>2013</b> , 113, 053708	1
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1456	Models of superconducting Cu:Bi <sub>2</sub> Se <sub>3</sub> : Single- versus two-band description. <b>2013</b> , 87,	32
1455	Topological classification with additional symmetries from Clifford algebras. <b>2013</b> , 88,	194
1454	Quantum anomalous Hall effect in kagome ice. <b>2013</b> , 87,	23
1453	Observation of superconductivity and anomalous electrical resistivity in single-crystal Ir <sub>3</sub> Te <sub>8</sub> . <b>2013</b> , 87,	7
1452	Josephson Supercurrent through the Topological Surface States of Strained Bulk HgTe. <b>2013</b> , 3,	60
1451	Thermodynamic measure of the magnetoelectric coupling in a three-dimensional topological insulator. <b>2013</b> , 87,	2
1450	Symmetry-protected topological phases and orbifolds: Generalized Laughlin's argument. <b>2013</b> , 88,	53
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1448	Interaction effect on topological classification of superconductors in two dimensions. <b>2013</b> , 88,	99
1447	Anomalously small resistivity and thermopower of strongly compensated semiconductors and topological insulators. <b>2013</b> , 87,	11
1446	Pyrochlore electrons under pressure, heat, and field: Shedding light on the iridates. <b>2013</b> , 87,	65
1445	Indications of surface-dominated transport in single crystalline nanoflake devices of topological insulator Bi <sub>1.5</sub> Sb <sub>0.5</sub> Te <sub>1.8</sub> Se <sub>1.2</sub> . <b>2013</b> , 87,	99
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1441	Plasmon modes in magnetically doped single-layer and multilayer helical metals. <b>2013</b> , 87,	6

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1438	Phonon structure in dispersion curves and density of states of massive Dirac fermions. <b>2013</b> , 88,	15
1437	Robustness of gapless interface states in a junction of two topological insulators. <b>2013</b> , 88,	6
1436	Topological phase transition in a generalized Kane-Mele-Hubbard model: A combined quantum Monte Carlo and Green's function study. <b>2013</b> , 87,	43
1435	From symmetry-protected topological order to Landau order. <b>2013</b> , 88,	26
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1433	Holographic Wilson loops, dielectric interfaces, and topological insulators. <b>2013</b> , 87,	2
1432	Quantized topological terms in weak-coupling gauge theories with a global symmetry and their connection to symmetry-enriched topological phases. <b>2013</b> , 87,	71
1431	Topological Anderson insulator induced by inter-cell hopping disorder. <b>2013</b> , 114, 183710	9
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1429	Majorana fermions in s-wave noncentrosymmetric superconductor with Dresselhaus (110) spin-orbit coupling. <b>2013</b> , 87,	20
1428	Two-dimensional symmetry-protected topological phases with PSU(N) and time-reversal symmetry. <b>2013</b> , 88,	18
1427	Topological chiral magnonic edge mode in a magnonic crystal. <b>2013</b> , 87,	220
1426	Effective field theories for topological insulators by functional bosonization. <b>2013</b> , 87,	39
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1423	Tuning of magnetic and transport properties in Bi <sub>2</sub> Te <sub>3</sub> by divalent Fe doping. <b>2013</b> , 87,	21

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1420	Classification of topological insulators and superconductors in the presence of reflection symmetry. <b>2013</b> , 88,		235
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1418	Hexagonal warping on optical conductivity of surface states in topological insulator Bi <sub>2</sub> Te <sub>3</sub> . <b>2013</b> , 87,		35
1417	Topological Floquet spectrum in three dimensions via a two-photon resonance. <b>2013</b> , 87,		112
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1415	Helical Fermi arcs and surface states in time-reversal invariant Weyl semimetals. <b>2013</b> , 87,		94
1414	Topological antiferromagnetic phase in a correlated Bernevig-Hughes-Zhang model. <b>2013</b> , 87,		42
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1412	Symmetry-protected quantum spin Hall phases in two dimensions. <i>Physical Review Letters</i> , <b>2013</b> , 110, 067205	7.4	61
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1410	Three-dimensional Z <sub>2</sub> topological phases enriched by time-reversal symmetry. <b>2013</b> , 88,		23
1409	Direct observation of decoupled Dirac states at the interface between topological and normal insulators. <b>2013</b> , 88,		23
1408	Short-range entangled bosonic states with chiral edge modes and T duality of heterotic strings. <b>2013</b> , 88,		19
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1406	Different topological insulating behavior in Hg <sub>2</sub> CaS and GaS-II under uniaxial tension. <b>2013</b> , 88,		4
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1400	SCATTERING OF ELECTROMAGNETIC RADIATION BY A TIME REVERSAL PERTURBATION TOPOLOGICAL INSULATOR CIRCULAR CYLINDER. <b>2013</b> , 27, 1350098	9
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1383	Topological phases in iridium oxide superlattices: Quantized anomalous charge or valley Hall insulators. <b>2014</b> , 90,	24
1382	Defect-induced negative magnetoresistance and surface state robustness in the topological insulator BiSbTeSe <sub>2</sub> . <b>2014</b> , 90,	28
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1380	Efficient algorithm to compute the Berry conductivity. <b>2014</b> , 16, 073016	3
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1375	Delocalization of Surface Dirac Electrons in Disordered Weak Topological Insulators. <b>2014</b> , 83, 103706	8
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1371	Is the molecular Berry phase an artifact of the Born-Oppenheimer approximation?. <i>Physical Review Letters</i> , <b>2014</b> , 113, 263004	7.4 81
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1369	X-ray magnetic spectroscopy of MBE-grown Mn-doped Bi <sub>2</sub> Se <sub>3</sub> thin films. <b>2014</b> , 4, 127136	37

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1364	Appearance of flat surface bands in three-dimensional topological insulators in a ferromagnetic exchange field. <b>2014</b> , 16, 033019		8
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1358	Topological states of Sb thin films contacted by a single sheet of heterogeneous atoms. <b>2014</b> , 16, 093006		1
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1354	NMR relaxation in the topological Kondo insulator SmB <sub>6</sub> . <b>2014</b> , 90,		11
1353	Tunable line node semimetals. <b>2014</b> , 90,		101
1352	Long-range interaction induced phases in Weyl semimetals. <b>2014</b> , 89,		20
1351	Field induced positional shift of Bloch electrons and its dynamical implications. <i>Physical Review Letters</i> , <b>2014</b> , 112, 166601	7.4	88

1350	Dynamics of tunneling into nonequilibrium edge states. <b>2014</b> , 90,	19
1349	The family of topological phases in condensed matter□ <b>2014</b> , 1, 49-59	5
1348	Ferromagnetism and spin-dependent transport in n-type Mn-doped bismuth telluride thin films. <b>2014</b> , 89,	40
1347	Absence of helical surface states in bulk semimetals with broken inversion symmetry. <b>2014</b> , 89,	4
1346	Proposal for a topological spin Chern pump. <b>2014</b> , 90,	16
1345	Large magnetothermopower and Fermi surface reconstruction in Sb <sub>2</sub> Te <sub>2</sub> Se. <b>2014</b> , 89,	18
1344	Dimensional evolution between one- and two-dimensional topological phases. <b>2014</b> , 90,	13
1343	Measuring Berry curvature with quantum Monte Carlo. <b>2014</b> , 89,	7
1342	Topological effects in chiral symmetric driven systems. <b>2014</b> , 90,	61
1341	Kramers pairs of Majorana fermions and parafermions in fractional topological insulators. <b>2014</b> , 90,	94
1340	Controllable fully spin-polarized transport in a ferromagnetically doped topological insulator junction. <b>2014</b> , 115, 154310	3
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1338	Theory of bulk-surface coupling in topological insulator films. <b>2014</b> , 90,	27
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1333	Magnetic anisotropy of van der Waals absorbed iron(II) phthalocyanine layer on Bi <sub>2</sub> Te <sub>3</sub> . <b>2014</b> , 90,	9



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1331	Absorption of surface acoustic waves by topological insulator thin films. <b>2014</b> , 105, 063503		5
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1328	Interacting and fractional topological insulators via the Z2 chiral anomaly. <b>2014</b> , 89,		11
1327	Engineering relativistic effects in ferroelectric SnTe. <b>2014</b> , 90,		50
1326	Scanning tunneling spectroscopy and surface quasiparticle interference in models for the strongly correlated topological insulators SmB6 and PuB6. <b>2014</b> , 90,		24
1325	Stability of multinode Dirac semimetals against strong long-range correlations. <b>2014</b> , 90,		20
1324	Characterizing weak topological properties: Berry phase point of view. <b>2014</b> , 90,		14
1323	Unconventional proximity-induced superconductivity in bilayer systems. <b>2014</b> , 90,		29
1322	Two-dimensional Fermi surfaces in Kondo insulator SmB6. <b>2014</b> , 346, 1208-12		202
1321	Nonlocal spin-entangled Andreev reflection, fractional charge, and current-phase relations in topological bilayer-exciton-condensate junctions. <b>2014</b> , 90,		5
1320	Stability of surface states of weak Z2 topological insulators and superconductors. <b>2014</b> , 89,		24
1319	Interplay between short- and long-range entanglement in symmetry-protected phases. <b>2014</b> , 90,		4
1318	Interdimensional effects in systems with quasirelativistic dispersion relations. <b>2014</b> , 89,		2
1317	Interaction effects on topological phase transitions via numerically exact quantum Monte Carlo calculations. <b>2014</b> , 89,		33
1316	Symmetry-protected topological orders for interacting fermions: Fermionic topological nonlinear $\pi$ models and a special group supercohomology theory. <b>2014</b> , 90,		152
1315	Interplay between electronic topology and crystal symmetry: Dislocation-line modes in topological band insulators. <b>2014</b> , 90,		60

1314	Wilson-loop characterization of inversion-symmetric topological insulators. <b>2014</b> , 89,	188
1313	Two-dimensional heavy fermions on the strongly correlated boundaries of Kondo topological insulators. <b>2014</b> , 90,	19
1312	Generalized Hund's rule for two-atom systems. <b>2014</b> , 90,	6
1311	Topological transition and edge states in HgTe quantum wells from first principles. <b>2014</b> , 89,	13
1310	Induced electronic anisotropy in bismuth thin films. <b>2014</b> , 105, 063114	6
1309	Surface plasmon polaritons in a topological insulator embedded in an optical cavity. <b>2014</b> , 104, 111603	7
1308	Thermoelectric properties of two-dimensional topological insulators doped with nonmagnetic impurities. <b>2014</b> , 116, 013706	4
1307	Superconductivity in textured Bi clusters/Bi <sub>2</sub> Te <sub>3</sub> films. <b>2014</b> , 2, 096105	7
1306	Conflicting symmetries in topologically ordered surface states of three-dimensional bosonic symmetry protected topological phases. <b>2014</b> , 89,	43
1305	Topological and magnetic phases with strong spin-orbit coupling on the hyperhoneycomb lattice. <b>2014</b> , 89,	14
1304	Engineered near-perfect backscattering on the surface of a topological insulator with nonmagnetic impurities. <b>2014</b> , 90,	14
1303	Vortices and vortex states in Rashba spin-orbit-coupled condensates. <b>2014</b> , 90,	6
1302	Three-dimensional symmetry-breaking nontrivial topological states. <b>2014</b> , 89,	5
1301	Wannier center sheets in topological insulators. <b>2014</b> , 89,	111
1300	Classification of spin liquids on the square lattice with strong spin-orbit coupling. <b>2014</b> , 90,	16
1299	Spin-spin interaction in the bulk of topological insulators. <b>2014</b> , 89,	5
1298	Classification of two-dimensional topological crystalline superconductors and Majorana bound states at disclinations. <b>2014</b> , 89,	122
1297	High-field charge transport on the surface of Bi <sub>2</sub> Se <sub>3</sub> . <b>2014</b> , 90,	2

1296	Spontaneous gap generation on the surface of weakly interacting topological insulators using nonmagnetic impurities. <b>2014</b> , 90,		12
1295	Comparison of Au and TiO <sub>2</sub> based catalysts for the synthesis of chalcogenide nanowires. <b>2014</b> , 104, 253103		8
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1293	Torsion, parity-odd response, and anomalies in topological states. <b>2014</b> , 90,		48
1292	Intrinsic Rashba-like splitting in asymmetric Bi <sub>2</sub> Te <sub>3</sub> /Sb <sub>2</sub> Te <sub>3</sub> heterogeneous topological insulator films. <b>2014</b> , 105, 082401		3
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1290	Bulk-defect correspondence in particle-hole symmetric insulators and semimetals. <b>2014</b> , 89,		14
1289	Topology of the planar phase of superfluid He <sub>3</sub> and bulk-boundary correspondence for three-dimensional topological superconductors. <b>2014</b> , 89,		13
1288	Tunneling between a topological superconductor and a Luttinger liquid. <b>2014</b> , 89,		5
1287	Unveiling a crystalline topological insulator in a Weyl semimetal with time-reversal symmetry. <b>2014</b> , 90,		3
1286	Boltzmann equation approach to anomalous transport in a Weyl metal. <b>2014</b> , 89,		68
1285	Symmetry-protected topological states of interacting fermions and bosons. <b>2014</b> , 90,		81
1284	Interfacial Fermi loops from interfacial symmetries. <i>Physical Review Letters</i> , <b>2014</b> , 113, 256406	7.4	3
1283	Classifying symmetry-protected topological phases through the anomalous action of the symmetry on the edge. <b>2014</b> , 90,		65
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1268	Topological states in Bi <sub>2</sub> Se <sub>3</sub> surfaces created by cleavage within a quintuple layer: Analysis in terms of the Shockley criterion. <b>2014</b> , 89,	13
1267	One-dimensional topological insulator: A model for studying finite-size effects in topological insulator thin films. <b>2014</b> , 89,	12
1266	Orbital-selective spin texture and its manipulation in a topological insulator. <b>2014</b> , 5, 3382	68
1265	Spintronics and spin caloritronics in topological insulators. <b>2014</b> , 55, 1-8	39
1264	Symmetry-protected topological invariants of symmetry-protected topological phases of interacting bosons and fermions. <b>2014</b> , 89,	58
1263	Fermi-level stabilization in the topological insulators Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> : Origin of the surface electron gas. <b>2014</b> , 89,	39
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1256	Spin diffusion and magnetoresistance in ferromagnet/topological-insulator junctions. <b>2014</b> , 89,		17
1255	Dirac electron states formed at the heterointerface between a topological insulator and a conventional semiconductor. <b>2014</b> , 13, 253-7		56
1254	Synthesis of single-crystalline topological insulator Bi <sub>2</sub> Se <sub>3</sub> nanomaterials with various morphologies. <b>2014</b> , 16, 1		7
1253	Nonlocal transport properties of topological insulator F/I/SC/I/F junction with perpendicular magnetization. <b>2014</b> , 87, 1		5
1252	Electrical detection of charge-current-induced spin polarization due to spin-momentum locking in Bi <sub>2</sub> Se <sub>3</sub> . <b>2014</b> , 9, 218-24		309
1251	Topological response in ferromagnets. <b>2014</b> , 89,		17
1250	Spin-directed network model for the surface states of weak three-dimensional Z <sub>2</sub> topological insulators. <b>2014</b> , 89,		27
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1247	Singular robust room-temperature spin response from topological Dirac fermions. <b>2014</b> , 13, 580-5		29
1246	Kondo holes in topological Kondo insulators: Spectral properties and surface quasiparticle interference. <b>2014</b> , 89,		15
1245	Transport discovery of emerging robust helical surface States in Z <sub>2</sub> = 0 systems. <i>Physical Review Letters</i> , <b>2014</b> , 112, 176601	7.4	19
1244	Study of Superfluid ( <sup>3</sup> He Under Nanoscale Confinement. <b>2014</b> , 175, 667-680		13
1243	Magnetically confined states and transport property on the surface of a topological insulator. <b>2014</b> , 347, 32-44		4

1242	Quantum anomalous Hall effect. <b>2014</b> , 1, 38-48		72
1241	Ambipolar surface state thermoelectric power of topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <b>2014</b> , 14, 1701-6		45
1240	Prediction of large-gap two-dimensional topological insulators consisting of bilayers of group III elements with Bi. <b>2014</b> , 14, 2505-8		153
1239	Line defects in three-dimensional symmetry-protected topological phases. <b>2014</b> , 89,		14
1238	Topological boundary modes in isostatic lattices. <b>2014</b> , 10, 39-45		435
1237	Cr adsorption induced magnetism in Bi <sub>2</sub> Se <sub>3</sub> film by proximity effects. <b>2014</b> , 55, 9-12		8
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1234	Classification of interacting electronic topological insulators in three dimensions. <b>2014</b> , 343, 629-31		175
1233	Density of states scaling at the semimetal to metal transition in three dimensional topological insulators. <i>Physical Review Letters</i> , <b>2014</b> , 112, 016402	7.4	126
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1231	Intersurface interaction via phonons in a three-dimensional topological insulator. <b>2014</b> , 89,		2
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1227	Half-integer quantum Hall effect of disordered Dirac fermions at a topological insulator surface. <b>2014</b> , 90,		26
1226	Signature of the topological surface state in the thermoelectric properties of Bi <sub>2</sub> Te <sub>3</sub> . <b>2014</b> , 89,		17
1225	Weak topological insulators induced by the interlayer coupling: A first-principles study of stacked Bi <sub>2</sub> Te <sub>3</sub> . <b>2014</b> , 89,		43

1224	Quantum distance and the Euler number index of the Bloch band in a one-dimensional spin model. <b>2014</b> , 90, 042133	5
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1222	Majorana modes and p-wave superfluids for fermionic atoms in optical lattices. <b>2014</b> , 5, 4504	50
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1220	Mode-locked erbium-doped fiber laser based on evanescent field interaction with Sb <sub>2</sub> Te <sub>3</sub> topological insulator. <b>2014</b> , 104, 251112	133
1219	Topological $\pi$ -Sn surface states versus film thickness and strain. <b>2014</b> , 90,	23
1218	NV-center-based digital quantum simulation of a quantum phase transition in topological insulators. <b>2014</b> , 89,	9
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1215	Tunable electronic structure in dilute magnetic semiconductor Sr <sub>3</sub> SnO/c-YSZ/Si (001) epitaxial heterostructures. <b>2014</b> , 116, 164903	11
1214	Exactly solvable model of topological insulator realized on spin-( $\frac{1}{2}$ ) lattice. <b>2014</b> , 87, 1	5
1213	Evidence for topological surface states in epitaxial Bi <sub>2</sub> Se <sub>3</sub> thin film grown by pulsed laser deposition through magneto-transport measurements. <b>2014</b> , 18, 279-285	29
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1211	Anisotropic effect of warping on the lifetime broadening of topological surface states in angle-resolved photoemission from Bi <sub>2</sub> Te <sub>3</sub> . <b>2014</b> , 90,	27
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1208	Electrical tuning of transport properties of topological insulator ultrathin films. <b>2014</b> , 6, 3127-37	15
1207	Opening a band gap without breaking lattice symmetry: a new route toward robust graphene-based nanoelectronics. <b>2014</b> , 6, 7474-9	11

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1205	Electrical detection of spin-polarized surface states conduction in $(\text{Bi}(0.53)\text{Sb}(0.47))_2\text{Te}_3$ topological insulator. <b>2014</b> , 14, 5423-9		134
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1202	Tuning the Dirac point position in $\text{Bi}(2)\text{Se}(3)(0001)$ via surface carbon doping. <i>Physical Review Letters</i> , <b>2014</b> , 113, 116802	7-4	40
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1200	Spin-orbit and impurity scattering in an integrable electron model: Exact results for dynamic correlations. <b>2014</b> , 89,		2
1199	Role of acoustic phonons in $\text{Bi}_2\text{Se}_3$ topological insulator slabs: A quantum transport investigation. <b>2014</b> , 89,		10
1198	Half-Heusler topological insulators. <b>2014</b> , 39, 859-866		52
1197	Exploration and prediction of topological electronic materials based on first-principles calculations. <b>2014</b> , 39, 849-858		65
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1195	Air-stable electron depletion of $\text{Bi}(2)\text{Se}(3)$ using molybdenum trioxide into the topological regime. <b>2014</b> , 8, 6400-6		23
1194	Charge Induction and Polarization on the Surface of a Topological Insulator Due to an Emergent Gauge Field. <b>2014</b> , 83, 034704		1
1193	Quintuple layer $\text{Bi}_2\text{Se}_3$ thin films directly grown on insulating $\text{SiO}_2$ using molecular beam epitaxy. <b>2014</b> , 316, 42-45		13
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1190	Comparison of Sn-doped and nonstoichiometric vertical-Bridgman-grown crystals of the topological insulator $\text{Bi}_2\text{Te}_2\text{Se}$ . <b>2014</b> , 115, 143708		30
1189	Quantum interference in $\text{HgTe}$ structures. <b>2014</b> , 251, 1786-1800		6



1188	Spin-transfer torque generated by a topological insulator. <b>2014</b> , 511, 449-51		851
1187	Measuring a topological transition in an artificial spin-1/2 system. <i>Physical Review Letters</i> , <b>2014</b> , 113, 050402	7-4	85
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1182	Topological phases in a three-dimensional topological insulator with a time-reversal invariant external field. <b>2014</b> , 89, 105801		4
1181	Edge bands and vertical transport in topological insulator/magnetic insulator heterostructures. <b>2014</b> , 90,		0
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1179	Piezoresistance in silicon and its nanostructures. <b>2014</b> , 29, 731-744		36
1178	Transition-Metal Pentatelluride ZrTe <sub>5</sub> and HfTe <sub>5</sub> : A Paradigm for Large-Gap Quantum Spin Hall Insulators. <b>2014</b> , 4,		196
1177	Two-dimensional time-reversal-invariant topological superconductivity in a doped quantum spin-Hall insulator. <b>2014</b> , 90,		104
1176	Edge states of a three-dimensional topological insulator. <b>2014</b> , 26, 315009		10
1175	Termination-dependent surface in-gap states in a potential mixed-valent topological insulator: SmB <sub>6</sub> . <b>2014</b> , 90,		33
1174	Stability and Surface Reconstruction of Topological Insulator Bi <sub>2</sub> Se <sub>3</sub> on Exposure to Atmosphere. <b>2014</b> , 118, 20413-20419		52
1173	Field-Angle-Dependent Low-Energy Excitations around a Vortex in the Superconducting Topological Insulator CuxBi <sub>2</sub> Se <sub>3</sub> . <b>2014</b> , 83, 063705		10
1172	Spin-Polarized Majorana Bound States inside a Vortex Core in Topological Superconductors. <b>2014</b> , 83, 064703		20
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1170	Trajectory of the anomalous Hall effect towards the quantized state in a ferromagnetic topological insulator. <b>2014</b> , 10, 731-736	391
1169	Constructing symmetric topological phases of bosons in three dimensions via fermionic projective construction and dyon condensation. <b>2014</b> , 89,	36
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1167	Electrically tunable conductance and edge modes in topological crystalline insulator thin films: minimal tight-binding model analysis. <b>2014</b> , 16, 065015	34
1166	Three-Dimensional Topological Insulators: The Case of Inverse Heusler Compound Lu <sub>2</sub> FePb. <b>2014</b> , 926-930, 440-443	
1165	Temperature dependent Raman scattering studies of three dimensional topological insulators Bi <sub>2</sub> Se <sub>3</sub> . <b>2014</b> , 115, 173506	35
1164	Ultrafast terahertz dynamics of hot Dirac-electron surface scattering in the topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <b>2014</b> , 89,	59
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1162	Connecting electron and phonon spectroscopy data to consistently determine quasiparticle-phonon coupling on the surface of topological insulators. <b>2014</b> , 89,	16
1161	Thermoelectric properties of an ultra-thin topological insulator. <b>2014</b> , 26, 165303	4
1160	Evidence of Distributed Robust Surface Current Flow in 3D Topological Insulators. <b>2014</b> , 4,	7
1159	Stability of Z <sub>2</sub> topological order in the presence of vacancy-induced impurity band. <b>2014</b> , 26, 255502	4
1158	Topological Invariants and Ground-State Wave functions of Topological Insulators on a Torus. <b>2014</b> , 4,	18
1157	Josephson effect in normal and ferromagnetic topological-insulator junctions: Planar, step, and edge geometries. <b>2014</b> , 90,	10
1156	Internal chiral spin structure of topological-insulator/metal superlattices. <b>2014</b> , 106, 37008	
1155	A quantum dot in topological insulator nanofilm. <b>2014</b> , 26, 115302	4
1154	Self-consistent $k_{\parallel}$ calculations for gated thin layers of three-dimensional topological insulators. <b>2014</b> , 89,	9
1153	Symmetry enforced non-Abelian topological order at the surface of a topological insulator. <b>2014</b> , 89,	111

1152	One-dimensional topological edge states of bismuth bilayers. <b>2014</b> , 10, 664-669	238
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1150	Effective manipulation of Andreev bound states, zero mode Majorana fermion and Josephson current in a superconductor-normal-superconductor junction on the surface of a topological insulator. <b>2014</b> , 378, 3131-3135	3
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1148	The nature of bonding and electronic properties of graphene and benzene with iridium adatoms. <b>2014</b> , 16, 20818-27	8
1147	Detecting topological currents in graphene superlattices. <b>2014</b> , 346, 448-51	481
1146	Floquet Weyl semimetal induced by off-resonant light. <b>2014</b> , 105, 17004	83
1145	Topology of crystalline insulators and superconductors. <b>2014</b> , 90,	280
1144	Reorganization of a topological surface state: Theory for Bi <sub>2</sub> Te <sub>3</sub> (111) covered by noble metals. <b>2014</b> , 90,	2
1143	Colloquium: Emergent properties in plane view: Strong correlations at oxide interfaces. <b>2014</b> , 86, 1189-1202	207
1142	Redox control and high conductivity of nickel bis(dithiolene) complex nanosheet: a potential organic two-dimensional topological insulator. <b>2014</b> , 136, 14357-60	320
1141	Spin-orbit density wave: a new phase of matter applicable to the hidden order state of URu <sub>2</sub> Si <sub>2</sub> . <b>2014</b> , 94, 3838-3862	3
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1139	Local and nonlocal Fraunhofer-like pattern from an edge-stepped topological surface Josephson current distribution. <b>2014</b> , 14, 5029-34	19
1138	Mechanical, electronic, and optical properties of BiSb and Bi <sub>2</sub> Te <sub>3</sub> compounds: first principle investigations. <b>2014</b> , 20, 2180	50
1137	Ferromagnetism and topological surface states of manganese doped Bi <sub>2</sub> Te <sub>3</sub> : insights from density-functional calculations. <b>2014</b> , 140, 124704	15
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1134	Giant Faraday effect due to Pauli exclusion principle in 3D topological insulators. <b>2014</b> , 26, 082201		3
1133	Molecular Beam Epitaxial Growth and Properties of Bi <sub>2</sub> Se <sub>3</sub> Topological Insulator Layers on Different Substrate Surfaces. <b>2014</b> , 43, 909-913		19
1132	Edge states and topological properties of electrons on the bismuth on silicon surface with giant spin-orbit coupling. <b>2014</b> , 118, 457-466		7
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1130	Transport in a quantum spin Hall bar: Effect of in-plane magnetic field. <b>2014</b> , 188, 45-48		2
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1127	Quantum phase transitions and topological proximity effects in graphene nanoribbon heterostructures. <b>2014</b> , 6, 3259-67		8
1126	Superconducting Proximity Effect on a Two-Dimensional Dirac Electron System. <b>2014</b> , 83, 014706		8
1125	Surface States of Bi <sub>2</sub> Se <sub>3</sub> Nanowires in the Presence of Perpendicular Magnetic Fields. <b>2014</b> , 31, 067304		3
1124	Correlation effects in (111) bilayers of perovskite transition-metal oxides. <b>2014</b> , 89,		55
1123	Spin-orbit-free topological insulators without time-reversal symmetry. <i>Physical Review Letters</i> , <b>2014</b> , 113, 116403	7.4	96
1122	Topological field-effect quantum transistors in HgTe nanoribbons. <b>2014</b> , 25, 225201		6
1121	Two-dimensional density-matrix topological fermionic phases: topological Uhlmann numbers. <i>Physical Review Letters</i> , <b>2014</b> , 113, 076408	7.4	58
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