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## The birth of topological insulators

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2122	Multiple Dirac fermions from a topological insulator and graphene superlattice. <b>2012</b> , 85,	10
2121	Carriers dependence of the magnetic properties in magnetic topological insulator Sb <sub>1.95</sub> Bi <sub>x</sub> Cr <sub>0.05</sub> Te <sub>3</sub> . <b>2012</b> , 101, 072406	20
2120	Generalizations of Perelomov's identity on the completeness of coherent states. <b>2012</b> , 85,	5
2119	Topological limit of ultrathin quasi-free-standing Bi <sub>2</sub> Te <sub>3</sub> films grown on Si(111). <b>2012</b> , 85,	23
2118	Fractionalized topological insulators from frustrated spin models in three dimensions. <b>2012</b> , 85,	12
2117	Quantum magnetotransport properties of topological insulators under strain. <b>2012</b> , 86,	8
2116	Charge-orbital density wave and superconductivity in the strong spin-orbit coupled IrTe <sub>2</sub> :Pd. <b>2012</b> , 108, 116402	143
2115	Noninvasive probes of charge fractionalization in quantum spin Hall insulators. <b>2012</b> , 85,	17
2114	Flat bands with nontrivial topology in three dimensions. <b>2012</b> , 85,	38
2113	General relationship between the entanglement spectrum and the edge state spectrum of topological quantum states. <b>2012</b> , 108, 196402	201
2112	Magnetic-field-induced Fabry-Pérot resonances in helical edge states. <b>2012</b> , 86,	20
2111	Kinetic theory of Coulomb drag in two monolayers of graphene: From the Dirac point to the Fermi liquid regime. <b>2012</b> , 86,	13
2110	Unusual magnetic phases in the strong interaction limit of two-dimensional topological band insulators in transition metal oxides. <b>2012</b> , 86,	30

2109	Observation of field-induced polarization of valleys in p-type Sb <sub>2</sub> Te <sub>3</sub> single crystals. <b>2012</b> , 86,	11
2108	Ambipolar transport in bulk crystals of a topological insulator by gating with ionic liquid. <b>2012</b> , 86,	25
2107	Topological insulator Bi <sub>2</sub> Te <sub>3</sub> films synthesized by metal organic chemical vapor deposition. <b>2012</b> , 101, 162104	64
2106	Stationary phase approximation approach to the quasiparticle interference on the surface of a strong topological insulator. <b>2012</b> , 85,	30
2105	Topological-metal to band-insulator transition in (Bi(1-x)In(x)) <sub>2</sub> Se <sub>3</sub> thin films. <b>2012</b> , 109, 186403	158
2104	Lattice model for the surface states of a topological insulator with applications to magnetic and exciton instabilities. <b>2012</b> , 86,	23
2103	Edge superconducting correlation in the attractive-U Kane-Mele-Hubbard model. <b>2012</b> , 86,	6
2102	Symmetry-protected fractional Chern insulators and fractional topological insulators. <b>2012</b> , 85,	43
2101	Spatially anisotropic kagome antiferromagnet with Dzyaloshinskii-Moriya interaction. <b>2012</b> , 85,	3
2100	Pole expansion of self-energy and interaction effect for topological insulators. <b>2012</b> , 85,	18
2099	Gate control of surface transport in MBE-grown topological insulator (Bi <sub>1-x</sub> Sb <sub>x</sub> ) <sub>2</sub> Te <sub>3</sub> thin films. <b>2012</b> , 86,	23
2098	Surface states on a topologically nontrivial semimetal: The case of Sb(110). <b>2012</b> , 85,	22
2097	Linear bands, zero-momentum Weyl semimetal, and topological transition in skutterudite-structure pnictides. <b>2012</b> , 85,	20
2096	Anomalously enhanced photoemission from the Dirac point and other peculiarities in the self-energy of the surface-state quasiparticles in Bi <sub>2</sub> Se <sub>3</sub> . <b>2012</b> , 85,	7
2095	Berry phase and anomalous Hall effect in a three-orbital tight-binding Hamiltonian. <b>2012</b> , 85,	33
2094	High electron mobility through the edge states in random networks of c-axis oriented wedge-shaped GaN nanowalls grown by molecular beam epitaxy. <b>2012</b> , 101, 132109	29
2093	Critical surface band gap of repulsive Casimir interaction between three-dimensional topological insulators at finite temperature. <b>2012</b> , 85,	14
2092	Quantized response and topology of magnetic insulators with inversion symmetry. <b>2012</b> , 85,	177

2091	Topological phases in layered pyrochlore oxide thin films along the [111] direction. <b>2012</b> , 86,	45
2090	Optical properties of Bi <sub>2</sub> Te <sub>2</sub> Se at ambient and high pressures. <b>2012</b> , 86,	74
2089	Trapping of three-dimensional electrons and transition to two-dimensional transport in the three-dimensional topological insulator Bi <sub>2</sub> Se <sub>3</sub> under high pressure. <b>2012</b> , 85,	27
2088	Topological phase transition and unexpected mass acquisition of Dirac fermion in TlBi(S <sub>1-x</sub> Se <sub>x</sub> ) <sub>2</sub> . <b>2012</b> , 101, 182101	5
2087	Ab initio studying of topological insulator Bi <sub>2</sub> Se <sub>3</sub> under the stress. <b>2012</b> , 394, 012022	2
2086	Quantum spin Hall effect in a square-lattice model under a uniform magnetic field. <b>2012</b> , 21, 077303	4
2085	Robustness of topological order and formation of quantum well states in topological insulators exposed to ambient environment. <b>2012</b> , 109, 3694-8	139
2084	Growth and characterization of Bi <sub>2</sub> Se <sub>3</sub> crystals by chemical vapor transport. <b>2012</b> , 2, 022148	7
2083	Two-dimensional universal conductance fluctuations and the electron-phonon interaction of surface states in Bi <sub>2</sub> Te <sub>2</sub> Se microflakes. <b>2012</b> , 2, 595	61
2082	Charge transport and shot noise on the surface of a topological insulator with a magnetic modulation. <b>2012</b> , 21, 047203	6
2081	Giant and anisotropic magnetoresistances in p-type Bi-doped Sb <sub>2</sub> Te <sub>3</sub> bulk single crystals. <b>2012</b> , 100, 17014	18
2080	Disorder effect in two-dimensional topological insulators. <b>2012</b> , 400, 042078	
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2078	Ultra-short pulse generation by a topological insulator based saturable absorber. <b>2012</b> , 101, 211106	469
2077	Topological insulators: Crystalline protection. <b>2012</b> , 11, 1003-4	18
2076	Interplay between ferromagnetism, surface states, and quantum corrections in a magnetically doped topological insulator. <b>2012</b> , 86,	115
2075	First-principles investigations of the atomic, electronic, and thermoelectric properties of equilibrium and strained Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> including van der Waals interactions. <b>2012</b> , 86,	111
2074	Identification of magnetic dopants on the surfaces of topological insulators: Experiment and theory for Fe on Bi <sub>2</sub> Te <sub>3</sub> (111). <b>2012</b> , 85,	47

2073	Gating the charge state of single Fe dopants in the topological insulator Bi <sub>2</sub> Se <sub>3</sub> with a scanning tunneling microscope. <b>2012</b> , 86,	37
2072	Impurity scattering in the bulk of topological insulators. <b>2012</b> , 85,	11
2071	Strain tuning of topological band order in cubic semiconductors. <b>2012</b> , 85,	41
2070	Finite-size energy gap in weak and strong topological insulators. <b>2012</b> , 86,	36
2069	Advances in the development and growth of functional materials: Toward the paradigm of materials by design. <b>2012</b> , 37, 682-690	6
2068	Topological insulating in GeTe/Sb <sub>2</sub> Te <sub>3</sub> phase-change superlattice. <b>2012</b> , 109, 096802	117
2067	Physics. Symmetry meets topology. <b>2012</b> , 338, 1550-1	8
2066	Magnetoelectric and multiferroic media. <b>2012</b> , 55, 557-581	404
2065	Topological insulator Bi <sub>2</sub> Se <sub>3</sub> thin films as an alternative channel material in metal-oxide-semiconductor field-effect transistors. <b>2012</b> , 112, 124511	25
2064	Fabrication and characterization of the gapless half-Heusler YPtSb thin films. <b>2012</b> , 112, 103910	12
2063	Two-dimensional electronic transport on the surface of three-dimensional topological insulators. <b>2012</b> , 86,	30
2062	Topological invariants and interacting one-dimensional fermionic systems. <b>2012</b> , 86,	63
2061	Micro-Raman spectroscopy of mechanically exfoliated few-quintuple layers of Bi <sub>2</sub> Te <sub>3</sub> , Bi <sub>2</sub> Se <sub>3</sub> , and Sb <sub>2</sub> Te <sub>3</sub> materials. <b>2012</b> , 111, 054305	218
2060	Nano-optical imaging and spectroscopy of order, phases, and domains in complex solids. <b>2012</b> , 61, 745-842	167
2059	Realization of tunable Dirac cone and insulating bulk states in topological insulators (Bi(1-x)Sb(x)) <sub>2</sub> Te <sub>3</sub> . <b>2012</b> , 2, 976	20
2058	Applied physics and interfaces: Positively 'negative' friction. <b>2012</b> , 11, 1004-5	2
2057	Quantum transport in topological insulator hybrid structures: A combination of topological insulator and superconductor. <b>2012</b> , 55, 2226-2236	9
2056	Crossover between weak antilocalization and weak localization in a magnetically doped topological insulator. <b>2012</b> , 108, 036805	253



2055	Simplified Topological Invariants for Interacting Insulators. <b>2012</b> , 2,	137
2054	Tunneling behavior of bismuth telluride nanoplates in electrical transport. <b>2012</b> , 546, 125-128	2
2053	Enhancement of the Kondo effect through Rashba spin-orbit interactions. <b>2012</b> , 108, 046601	41
2052	Simulating Z2 topological insulators with cold atoms in a one-dimensional optical lattice. <b>2012</b> , 85,	77
2051	Ferromagnetism in thin-film Cr-doped topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <b>2012</b> , 100, 082404	133
2050	Strongly correlated topological superconductors and topological phase transitions via Green's function. <b>2012</b> , 86,	35
2049	Quantum anomalous Hall effect with tunable Chern number in magnetic topological insulator film. <b>2012</b> , 85,	93
2048	Magnetic ordering phenomena of interacting quantum spin Hall models. <b>2012</b> , 86,	55
2047	Magnetoexcitons and optical absorption of bilayer-structured topological insulators. <b>2012</b> , 100, 161602	4
2046	Topological invariants for interacting topological insulators with inversion symmetry. <b>2012</b> , 85,	56
2045	The tunneling density-of-states of interacting massless Dirac fermions. <b>2012</b> , 152, 1456-1459	10
2044	High-quality epitaxial Bi(111) films on Si(111) by isochronal annealing. <b>2012</b> , 520, 6905-6908	8
2043	Epitaxial thin films of topological insulator Bi <sub>2</sub> Te <sub>3</sub> with two-dimensional weak anti-localization effect grown by pulsed laser deposition. <b>2012</b> , 520, 6459-6462	40
2042	Scattering of knotted vortices (Hopfions) in the Faddeev-Bjorker model. <b>2012</b> , 14, 013013	12
2041	Native defects in second-generation topological insulators: Effect of spin-orbit interaction on Bi <sub>2</sub> Se <sub>3</sub> . <b>2012</b> , 86,	97
2040	Manifestation of topological protection in transport properties of epitaxial Bi <sub>2</sub> Se <sub>3</sub> thin films. <b>2012</b> , 109, 066803	297
2039	Prediction of weak topological insulators in layered semiconductors. <b>2012</b> , 109, 116406	74
2038	Thickness-independent transport channels in topological insulator Bi <sub>2</sub> Se <sub>3</sub> thin films. <b>2012</b> , 109, 116804	265

2037	Measurement of intrinsic dirac fermion cooling on the surface of the topological insulator Bi <sub>2</sub> Se <sub>3</sub> using time-resolved and angle-resolved photoemission spectroscopy. <b>2012</b> , 109, 127401	168
2036	Highly tunable electron transport in epitaxial topological insulator (Bi <sub>1-x</sub> Sb <sub>x</sub> ) <sub>2</sub> Te <sub>3</sub> thin films. <b>2012</b> , 101, 123111	68
2035	Topological crystalline insulator states in Pb(1-x)Sn(x)Se. <b>2012</b> , 11, 1023-7	582
2034	Electrical modulation of the edge channel transport in topological insulators coupled to ferromagnetic leads. <b>2012</b> , 112, 063710	6
2033	Proximity-effect-induced superconducting phase in the topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <b>2012</b> , 86,	46
2032	Theoretical and experimental study of second harmonic generation from the surface of the topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <b>2012</b> , 86,	60
2031	First-principles calculation of topological invariants within the FP-LAPW formalism. <b>2012</b> , 183, 1849-1859	41
2030	Spin-orbit scattering in quantum diffusion of massive Dirac fermions. <b>2012</b> , 86,	22
2029	Graphene: an emerging electronic material. <b>2012</b> , 24, 5782-825	603
2028	Achieving surface quantum oscillations in topological insulator thin films of Bi <sub>2</sub> Se <sub>3</sub> . <b>2012</b> , 24, 5581-5	71
2027	Interfacial charge current in a magnetised/normal graphene junction. <b>2012</b> , 85, 1	3
2026	Symmetry-protected quantum phase transition in topological insulators. <b>2012</b> , 85, 1	1
2025	Nonlinear response of topological insulators in the terahertz regime. <b>2012</b> ,	
2024	Spherical topological insulator. <b>2012</b> , 86,	41
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2022	Three-dimensional models of topological insulators: engineering of Dirac cones and robustness of the spin texture. <b>2012</b> , 109, 266805	19
2021	Topological materials. <b>2012</b> , 75, 096501	264
2020	Photoelectron spectroscopy of unsupported bismuth clusters: Size related effects of metallic properties. <b>2012</b> , 112, 084326	13

2019	Control over topological insulator photocurrents with light polarization. <b>2011</b> , 7, 96-100	375
2018	Hard-core bosons in one-dimensional interacting topological bands. <b>2012</b> , 86,	10
2017	Scaling of the paramagnetic anomalous Hall effect in SrRuO <sub>3</sub> . <b>2012</b> , 86,	9
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2015	Magnetic dead layer at the interface between a Co film and the topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <b>2012</b> , 86,	31
2014	Magneto-resistance up to 60 Tesla in topological insulator Bi <sub>2</sub> Te <sub>3</sub> thin films. <b>2012</b> , 101, 202403	76
2013	Optical conductivity of bismuth-based topological insulators. <b>2012</b> , 86,	74
2012	Phonon spectrum and bonding properties of Bi <sub>2</sub> Se <sub>3</sub> : Role of strong spin-orbit interaction. <b>2012</b> , 100, 082109	32
2011	Bi <sub>2</sub> Te <sub>1.6</sub> S <sub>1.4</sub> : A topological insulator in the tetradymite family. <b>2012</b> , 85,	36
2010	Three-dimensional topological insulators: A review on host materials. <b>2012</b> , 55, 2199-2212	26
2009	A high-sensitive and fast-fabricated glucose biosensor based on Prussian blue/topological insulator Bi <sub>2</sub> Se <sub>3</sub> hybrid film. <b>2012</b> , 38, 289-94	30
2008	Expanding the view into complex material systems: From micro-ARPES to nanoscale HAXPES. <b>2012</b> , 185, 330-339	43
2007	Single Crystal Growth and Transport Properties of Cu-doped Topological Insulator Bi <sub>2</sub> Se <sub>3</sub> . <b>2012</b> , 36, 638-643	10
2006	Photomixing in topological insulator HgTe/CdTe quantum wells in terahertz regime. <b>2012</b> , 101, 211109	11
2005	Weak anti-localization and quantum oscillations of surface states in topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <b>2012</b> , 2, 726	145
2004	Structural and electrical properties of half-Heusler La-Pt-Bi thin films grown by 3-source magnetron co-sputtering. <b>2012</b> , 111, 07E327	7
2003	Anomalous anisotropic magnetoresistance in topological insulator films. <b>2012</b> , 5, 739-746	59
2002	Strong superconducting proximity effect in pb-bi(2)te(3) hybrid structures. <b>2012</b> , 2, 339	103

2001	Ferromagnetism and manipulation of topological surface states in Bi <sub>2</sub> Se <sub>3</sub> family by 2p light elements. <b>2012</b> , 100, 252410	8
2000	Fractional topological phase in one-dimensional flat bands with nontrivial topology. <b>2012</b> , 86,	33
1999	Disorder dependence of helical edge states in HgTe/CdTe quantum wells. <b>2012</b> , 14, 043028	13
1998	The electronic structure of clean and adsorbate-covered Bi <sub>2</sub> Se <sub>3</sub> : an angle-resolved photoemission study. <b>2012</b> , 27, 124001	42
1997	Quantum oscillation of Rashba spin splitting in topological insulator Bi <sub>2</sub> Se <sub>3</sub> induced by the quantum size effects of Pb adlayers. <b>2012</b> , 86,	14
1996	Experimental evidence on the Altshuler-Aronov-Spivak interference of the topological surface states in the exfoliated Bi <sub>2</sub> Te <sub>3</sub> nanoflakes. <b>2012</b> , 100, 083107	18
1995	Room temperature giant and linear magnetoresistance in topological insulator Bi <sub>2</sub> Te <sub>3</sub> nanosheets. <b>2012</b> , 108, 266806	201
1994	Continuum theory of edge states of topological insulators: variational principle and boundary conditions. <b>2012</b> , 24, 355001	17
1993	Strain-induced topological insulating behavior in ternary chalcogenide Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . <b>2012</b> , 97, 27003	15
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1991	Chiral p-wave order in Sr <sub>2</sub> RuO <sub>4</sub> . <b>2012</b> , 75, 042501	178
1990	Quantum spin Hall insulators with interactions and lattice anisotropy. <b>2012</b> , 85,	113
1989	A search model for topological insulators with high-throughput robustness descriptors. <b>2012</b> , 11, 614-9	215
1988	Constructing anisotropic single-Dirac-cones in Bi(1-x)Sb(x) thin films. <b>2012</b> , 12, 2021-6	32
1987	Quantized Hall effect and Shubnikov-de Haas oscillations in highly doped Bi <sub>2</sub> Se <sub>3</sub> : evidence for layered transport of bulk carriers. <b>2012</b> , 108, 216803	132
1986	Relativistic effects in chemistry: more common than you thought. <b>2012</b> , 63, 45-64	330
1985	Spintronics and pseudospintronics in graphene and topological insulators. <b>2012</b> , 11, 409-16	760
1984	Topological insulators in filled skutterudites. <b>2012</b> , 85,	53

1983	Computational design of axion insulators based on 5d spinel compounds. <b>2012</b> , 108, 146601	101
1982	Electron-phonon coupling on the surface of the topological insulator Bi <sub>2</sub> Se <sub>3</sub> determined from surface-phonon dispersion measurements. <b>2012</b> , 108, 185501	110
1981	Double-layer graphene and topological insulator thin-film plasmons. <b>2012</b> , 85,	84
1980	Hedgehog spin texture and Berry phase tuning in a magnetic topological insulator. <b>2012</b> , 8, 616-622	308
1979	Quasiparticle effects in the bulk and surface-state bands of Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> topological insulators. <b>2012</b> , 85,	101
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1975	Surface magnetic ordering in topological insulators with bulk magnetic dopants. <b>2012</b> , 85,	80
1974	Enhanced thermoelectric properties of solution grown Bi <sub>2</sub> Te <sub>3-x</sub> Se <sub>x</sub> nanoplatelet composites. <b>2012</b> , 12, 1203-9	283
1973	Spin and Majorana polarization in topological superconducting wires. <b>2012</b> , 108, 096802	159
1972	Gate-controlled surface conduction in Na-doped Bi <sub>2</sub> Te <sub>3</sub> topological insulator nanoplates. <b>2012</b> , 12, 1170-5	119
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1967	Localization and mobility gap in the topological Anderson insulator. <b>2012</b> , 85,	38
1966	Topological p-n junction. <b>2012</b> , 85,	73

1965	Magnetoelectric and multiferroic media. <b>2012</b> , 182, 593	63
1964	Two-dimensional transport and screening in topological insulator surface states. <b>2012</b> , 85,	48
1963	Topological insulator nanostructures: Materials synthesis, Raman spectroscopy, and transport properties. <b>2012</b> , 7, 208-217	17
1962	Quantum phase transition of cold atoms trapped in optical lattices. <b>2012</b> , 7, 223-234	6
1961	Momentum and spin filtering of electrons on the surface of a topological insulator. <b>2012</b> , 152, 933-937	3
1960	Electronic substrate-mediated interactions. <b>2012</b> , 67, 19-81	65
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1958	Robust topological surface state against direct surface contamination. <b>2012</b> , 44, 891-894	17
1957	Half quantum spin Hall effect on the surface of weak topological insulators. <b>2012</b> , 44, 906-911	43
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1955	Finite size effects of the surface states in a lattice model of topological insulator. <b>2012</b> , 44, 885-890	13
1954	Preface. <b>2012</b> , 44, 843-844	
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1951	Axion topological field theory of topological superconductors. <b>2013</b> , 87,	50
1950	Giant photocurrents in a Dirac fermion system at cyclotron resonance. <b>2013</b> , 87,	55
1949	Topological quantum well resonances in metal overlayers. <b>2013</b> , 87,	5
1948	Effect of interactions on two-dimensional Dirac fermions. <b>2013</b> , 88,	26

1947	Optical conductivities and signatures of topological insulators with hexagonal warping. <b>2013</b> , 88,	23
1946	The Kondo effect in three-dimensional topological insulators. <b>2013</b> , 25, 286001	3
1945	Electromagnetic response of Weyl semimetals. <b>2013</b> , 111, 027201	312
1944	Growth, Structure, and Electronic Properties of Epitaxial Bismuth Telluride Topological Insulator Films on BaF <sub>2</sub> (111) Substrates. <b>2013</b> , 13, 3365-3373	60
1943	Mapping the 3D surface potential in Bi <sub>2</sub> Se <sub>3</sub> <b>2013</b> , 4, 2277	43
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1941	Scattering of Dirac electrons by a random array of magnetic flux tubes. <b>2013</b> , 12, 115-122	2
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1939	Mapping the orbital wavefunction of the surface states in three-dimensional topological insulators. <b>2013</b> , 9, 499-504	92
1938	In situ Raman spectroscopy of topological insulator Bi <sub>2</sub> Te <sub>3</sub> films with varying thickness. <b>2013</b> , 6, 688-692	46
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1936	Emerging weak localization effects on a topological insulator/insulating ferromagnet (Bi <sub>2</sub> Se <sub>3</sub> -EuS) interface. <b>2013</b> , 88,	105
1935	Unoccupied topological surface state in Bi <sub>2</sub> Te <sub>2</sub> Se. <b>2013</b> , 88,	19
1934	Transport properties of topological insulators films and nanowires. <b>2013</b> , 22, 067302	8
1933	Symmetry predicted transitions in 3D topological insulators. <b>2013</b> , 163, 11-14	5
1932	Pressure-induced structural transitions and metallization in Ag <sub>2</sub> Te. <b>2013</b> , 88,	18
1931	Conductance steps in electromigrated Bi nanoconstrictions. <b>2013</b> , 15, 5132-9	6
1930	Topological creation and destruction of edge states in photonic graphene. <b>2013</b> , 111, 103901	183

1929	Spin textures of strongly correlated spin Hall quantum dots. <b>2013</b> , 7, 1059-1063	19
1928	Optical conductivity of nodal metals. <b>2013</b> , 3, 3446	11
1927	SU(3) Dirac electrons in the 15-depleted square-lattice Hubbard model at 14 filling. <b>2013</b> , 88,	14
1926	Quasiparticle interference on the surface of the topological crystalline insulator $Pb_{1-x}Sn_xSe$ . <b>2013</b> , 88,	35
1925	Manipulating surface-related ferromagnetism in modulation-doped topological insulators. <b>2013</b> , 13, 4587-93	66
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1923	Interplay between different magnetisms in Cr-doped topological insulators. <b>2013</b> , 7, 9205-12	94
1922	Ab initio study of Z2 topological phases in perovskite (111) $(SrTiO_3)_7/(SrIrO_3)_2$ and $(KTaO_3)_7/(KPtO_3)_2$ multilayers. <b>2013</b> , 88,	34
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1917	Direct observation of band bending in the topological insulator $Bi_2Se_3$ . <b>2013</b> , 88,	30
1916	Conductivity oscillation of surface state of three-dimensional topological insulators induced by a linearly polarized terahertz field. <b>2013</b> , 25, 425603	2
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1907	Structural and electronic properties of Bi <sub>2</sub> in nanocrystals from first principles. <b>2013</b> , 87,	24
1906	Engineering quantum spin Hall effect in graphene nanoribbons via edge functionalization. <b>2013</b> , 87,	14
1905	Two-dimensional weak anti-localization in Bi <sub>2</sub> Te <sub>3</sub> thin film grown on Si(111)-(7 × 7) surface by molecular beam epitaxy. <b>2013</b> , 102, 163118	57
1904	From few to many: observing the formation of a Fermi sea one atom at a time. <b>2013</b> , 342, 457-60	217
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1894	Low-power robust complementary polarizer STT-MRAM (CPSTT) for on-chip caches. <b>2013</b> ,	4

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1758	Tensor network implementation of bulk entanglement spectrum. <b>2014</b> , 90,	16
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1752	Ferromagnetism and spin-dependent transport in n-type Mn-doped bismuth telluride thin films. <b>2014</b> , 89,	40
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1748	Localized in-gap states and quantum spin Hall effect in Si-doped InAs/GaSb quantum wells. <b>2014</b> , 89,	6
1747	Tunnel junction of helical edge states: Determining and controlling spin-preserving and spin-flipping processes through transconductance. <b>2014</b> , 89,	21
1746	Stacking-dependent energetics and electronic structure of ultrathin polymorphic V <sub>2</sub> VI <sub>3</sub> topological insulator nanofilms. <b>2014</b> , 90,	8
1745	Strong spin-orbit coupling and Zeeman spin splitting in angle dependent magnetoresistance of Bi <sub>2</sub> Te <sub>3</sub> . <b>2014</b> , 104, 223111	23
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1736	Engineering relativistic effects in ferroelectric SnTe. <b>2014</b> , 90,	50
1735	Influence of edge and field effects on topological states of germanene nanoribbons from self-consistent calculations. <b>2014</b> , 90,	39
1734	Characterizing weak topological properties: Berry phase point of view. <b>2014</b> , 90,	14
1733	Observation of inverse spin Hall effect in bismuth selenide. <b>2014</b> , 90,	122
1732	Surface theory of a family of topological Kondo insulators. <b>2014</b> , 90,	44

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1729	Interaction effects on topological phase transitions via numerically exact quantum Monte Carlo calculations. <b>2014</b> , 89,	33
1728	Complex band structure of topologically protected edge states. <b>2014</b> , 90,	22
1727	Two-dimensional heavy fermions on the strongly correlated boundaries of Kondo topological insulators. <b>2014</b> , 90,	19
1726	Topological transition and edge states in HgTe quantum wells from first principles. <b>2014</b> , 89,	13
1725	Superconductivity in the topological insulator Bi <sub>2</sub> Te <sub>3</sub> under hydrostatic pressure. <b>2014</b> , 90,	35
1724	Direct probe of topological order for cold atoms. <b>2014</b> , 90,	31
1723	Structure and composition of bismuth telluride topological insulators grown by molecular beam epitaxy. <b>2014</b> , 47, 1889-1900	31
1722	Topological transitions of interacting bosons in one-dimensional bichromatic optical lattices. <b>2014</b> , 89,	36
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1720	Vortices and vortex states in Rashba spin-orbit-coupled condensates. <b>2014</b> , 90,	6
1719	Anomalous nuclear magnetic resonance spectra in Bi <sub>2</sub> Se <sub>3</sub> nanowires. <b>2014</b> , 90,	8
1718	Topological surface transport in epitaxial SnTe thin films grown on Bi <sub>2</sub> Te <sub>3</sub> . <b>2014</b> , 89,	90
1717	(111) surface states of SnTe. <b>2014</b> , 90,	17
1716	Molecular beam epitaxial growth of Bi <sub>2</sub> Se <sub>3</sub> nanowires and nanoflakes. <b>2014</b> , 105, 133109	6
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