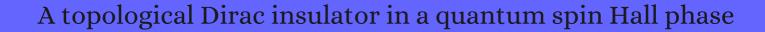
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2306	A 2.95 GHz, femtosecond passive harmonic mode-locked fiber laser based on evanescent field interaction with topological insulator film. <b>2015</b> , 23, 154		
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1864	Unconventional spin texture of a topologically nontrivial semimetal Sb(110). <b>2012</b> , 14, 103026	7
1863	Adiabatic quantum pumping through surface states in 3D topological insulators. <b>2012</b> , 14, 113003	5
1862	Holographic classification of topological insulators and its eightfold periodicity. <b>2012</b> , 45, 435203	4
1861	Robust surface state of intrinsic topological insulator Bi2Te2Se thin films: a first-principles study. <b>2012</b> , 24, 035502	13
1860	Quantum Transport in Disordered Systems Under Magnetic Fields: A Study Based on Operator Algebras. <b>2012</b> ,	15

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1859	The robustness of the quantum spin Hall effect to the thickness fluctuation in HgTe quantum wells. <b>2012</b> , 21, 117301	1
1858	Helical edge states in multiple topological mass domains. <b>2012</b> , 27, 124007	17
1857	Design exploration of ultra-low power non-volatile memory based on topological insulator. 2012,	3
1856	Wavelength-tunable picosecond soliton fiber laser with Topological Insulator: Bi2Se3 as a mode locker. <b>2012</b> , 20, 27888-95	355
1855	Crystal structure and epitaxy of Bi2Te3 films grown on Si. <b>2012</b> , 101, 221910	11
1854	Giant Interlayer Magnetoresistances and Strong Anisotropy in p-type Sb2Te3 Single Crystals. <b>2012</b> , 140, 155-160	4
1853	Two-dimensional magnetotransport in Bi2Te2Se nanoplatelets. <b>2012</b> , 101, 023116	19
1852	Strong side of weak topological insulators. <b>2012</b> , 86,	141
1851	Quantum oscillations in the topological superconductor candidate Cu(0.25)Bi2Se3. 2012, 109, 226406	46
1850	Correlation effects in two-dimensional topological insulators. <b>2012</b> , 85,	44
1849	Effect of strong disorder in a three-dimensional topological insulator: Phase diagram and maps of the Z2 invariant. <b>2012</b> , 85,	24
1848	Synchronous and asynchronous Mott transitions in topological insulator ribbons. <b>2012</b> , 85,	10
1847	Carriers dependence of the magnetic properties in magnetic topological insulator Sb1.95\( \text{BixCr0.05Te3.} \) <b>2012</b> , 101, 072406	20
1846	Topological semimetal in a Bi-Bi2Se3 infinitely adaptive superlattice phase. <b>2012</b> , 86,	53
1845	Topologically protected extended states in disordered quantum spin-Hall systems without time-reversal symmetry. <b>2012</b> , 85,	16
1844	Topological surface states in lead-based ternary telluride Pb(Bi(1-x)Sb(x))2Te4. <b>2012</b> , 108, 116801	53
1843	Gate-voltage controlled electronic transport through a ferromagnet/normal/ferromagnet junction on the surface of a topological insulator. <b>2012</b> , 86,	21
1842	Quantum magnetotransport properties of topological insulators under strain. <b>2012</b> , 86,	8

1841	Reflectionless transport of surface Dirac fermions on topological insulators with induced ferromagnetic domain walls. <b>2012</b> , 86,	27
1840	Inducing topological order in a honeycomb lattice. <b>2012</b> , 85,	18
1839	Electronic standing waves on the surface of the topological insulator Bi2Te3. <b>2012</b> , 86,	11
1838	Unusual magnetic phases in the strong interaction limit of two-dimensional topological band insulators in transition metal oxides. <b>2012</b> , 86,	30
1837	Quantum phase transitions in ultrathin films of three-dimensional topological insulators in the presence of an electrostatic potential and a Zeeman field. <b>2012</b> , 85,	12
1836	Green's function method for line defects and gapless modes in topological insulators: Beyond the semiclassical approach. <b>2012</b> , 85,	3
1835	Topologically induced avoided band crossing in an optical checkerboard lattice. <b>2012</b> , 108, 075302	43
1834	Chiral orbital-angular momentum in the surface states of Bi2Se3. <b>2012</b> , 108, 046805	104
1833	Observation of field-induced polarization of valleys in p-type Sb2Te3 single crystals. 2012, 86,	11
1832	Competing orders in the Dirac-like electronic structure and the nonlinear sigma model with a topological term. <b>2012</b> , 85,	8
1831	Ambipolar transport in bulk crystals of a topological insulator by gating with ionic liquid. 2012, 86,	25
1830	Probing crossover from analogous weak antilocalization to localization by an Aharonov-Bohm interferometer on topological insulator surface. <b>2012</b> , 100, 133103	2
1829	Circular-hyperbolic skyrmion in rotating pseudo-spin-1/2 Bose-Einstein condensates with spin-orbit coupling. <b>2012</b> , 86,	35
1828	Spin-orbit-coupling-induced half-skyrmion excitations in rotating and rapidly quenched spin-1 Bose-Einstein condensates. <b>2012</b> , 86,	49
1827	Topological superfluid transition induced by a periodically driven optical lattice. 2012, 86,	28
1826	Optical effects of spin currents in semiconductors. <b>2012</b> , 86,	3
1825	Nonlocal conductance reveals helical superconductors. <b>2012</b> , 85,	12
1824	Fermi-surface topology and low-lying electronic structure of the iron-based superconductor Ca10(Pt3As8)(Fe2As2)5. <b>2012</b> , 85,	30

1823	Topological-metal to band-insulator transition in (Bi(1-x)In(x))2Se3 thin films. <b>2012</b> , 109, 186403	158
1822	Topological system with a twisting edge band: A position-dependent Hall resistance. <b>2012</b> , 85,	1
1821	Topological phase transition in the interaction of surface Dirac fermions in heterostructures. <b>2012</b> , 109, 146601	28
1820	Topological superconducting phase in the vicinity of ferromagnetic phases. <b>2012</b> , 86,	37
1819	Surface states scattering from a step defect in the topological insulator Bi2Te3. <b>2012</b> , 86,	17
1818	Lattice model for the surface states of a topological insulator with applications to magnetic and exciton instabilities. <b>2012</b> , 86,	23
1817	Theory and classification of interacting integer topological phases in two dimensions: A Chern-Simons approach. <b>2012</b> , 86,	321
1816	Global phase diagram of two-dimensional Dirac fermions in random potentials. 2012, 85,	10
1815	Fragility of surface states and robustness of topological order in Bi2Se3 against oxidation. <b>2012</b> , 108, 096404	39
1814	Effect of an in-plane electric field on the magnetotransport in a helical metal. <b>2012</b> , 86,	2
1813	Models of three-dimensional fractional topological insulators. <b>2012</b> , 86,	26
1812	Gate control of surface transport in MBE-grown topological insulator (Bi1⊠Sbx)2Te3 thin films. <b>2012</b> , 86,	23
1811	Surface states on a topologically nontrivial semimetal: The case of Sb(110). <b>2012</b> , 85,	22
1810	Large magnetic moment of gadolinium substituted topological insulator: Bi1.98Gd0.02Se3. <b>2012</b> , 100, 242403	43
1809	Spin-polarized surface states on Br/Ge(111)-(111): Surface spin polarization without heavy elements. <b>2012</b> , 86,	15
1808	High-field Shubnikov∄e Haas oscillations in the topological insulator Bi2Te2Se. <b>2012</b> , 86,	149
1807	Poly $\mathbb{N} = \mathbb{N}$ inked 1,5-dihydro-1,5-diazocine, the two-dimensional polymer with Dirac insulator properties: ab initio study. <b>2012</b> , 38, 886-891	2
1806	Critical surface band gap of repulsive Casimir interaction between three-dimensional topological insulators at finite temperature. <b>2012</b> , 85,	14

1805	Tunable quantum spin Hall effect in double quantum wells. <b>2012</b> , 85,	29
1804	Topological phases in layered pyrochlore oxide thin films along the [111] direction. <b>2012</b> , 86,	45
1803	Optical properties of Bi2Te2Se at ambient and high pressures. <b>2012</b> , 86,	74
1802	Correlation effects on a topological insulator at finite temperatures. <b>2012</b> , 85,	66
1801	Topological phase transition and unexpected mass acquisition of Dirac fermion in TlBi(S1\( \text{Sex}\)2. <b>2012</b> , 101, 182101	5
1800	Spin-Hall Effect and Diamagnetism of Dirac Electrons. <b>2012</b> , 81, 093704	22
1799	Robustness of topological order and formation of quantum well states in topological insulators exposed to ambient environment. <b>2012</b> , 109, 3694-8	139
1798	Charge transport and shot noise on the surface of a topological insulator with a magnetic modulation. <b>2012</b> , 21, 047203	6
1797	Giant and anisotropic magnetoresistances in p-type Bi-doped Sb 2 Te 3 bulk single crystals. <b>2012</b> , 100, 17014	18
1796	Geometrically induced electric polarization in conical topological insulators. <b>2012</b> , 111, 064913	8
1795	Spin current generator based on topological insulator coupled to ferromagnetic insulators. <b>2012</b> , 2, 032162	4
1794	Pressure-induced superconductivity in Bi0.85Sb0.15alloy. <b>2012</b> , 400, 022088	1
1793	Quantum Hall and other topological states. 317-352	
1792	Transport properties of defect-controlled Bi2Te3single crystals: fingerprint of surface Dirac electrons. <b>2012</b> , 400, 042033	1
1791	Topological field theory and the discovery of topological materials. <b>2012</b> , T146, 014022	4
1790	Pairing Symmetry and Magnetic Relaxation in Topological Superconductor CuxBi2Se3. <b>2012</b> , 400, 022013	
1789	Topological surface states scattering in antimony. <b>2012</b> , 86,	19
1788	Ultra-short pulse generation by a topological insulator based saturable absorber. <b>2012</b> , 101, 211106	469

1787	Theory of topological Kondo insulators. <b>2012</b> , 85,	190
1786	Giant anisotropy of spin-orbit splitting at the bismuth surface. <b>2012</b> , 109, 226404	27
1785	Criticalities and Phase Transitions in the Polarization Switching of Vertical-Cavity Surface-Emitting Lasers. <b>2012</b> , 24, 2262-2264	О
1784	Polarization-driven topological insulator transition in a GaN/InN/GaN quantum well. <b>2012</b> , 109, 186803	124
1783	Induced superconductivity in the three-dimensional topological insulator HgTe. 2012, 109, 186806	51
1782	Landau levels in a topological insulator. <b>2012</b> , 85,	4
1781	Two- and three-dimensional topological insulators with isotropic and parity-breaking Landau levels. <b>2012</b> , 85,	38
1780	Isotropic Landau levels of Dirac fermions in high dimensions. <b>2012</b> , 85,	19
1779	Rydberg-atom quantum simulation and Chern-number characterization of a topological Mott insulator. <b>2012</b> , 86,	70
1778	Dependence of topological Anderson insulator on the type of disorder. <b>2012</b> , 85,	48
1777	Electronic structure of Fe and Co magnetic adatoms on Bi2Te3 surfaces. <b>2012</b> , 86,	34
1776	Strain tuning of topological band order in cubic semiconductors. <b>2012</b> , 85,	41
1775	Thermoelectric transport in topological insulators. <b>2012</b> , 27, 124005	54
1774	Experimental signatures of three-dimensional fractional topological insulators. <b>2012</b> , 86,	9
1773	Finite-size energy gap in weak and strong topological insulators. <b>2012</b> , 86,	36
1772	Quantum oscillations in magnetothermopower measurements of the topological insulator Bi2Te3. <b>2012</b> , 109, 246602	11
1771	Observation of a topological crystalline insulator phase and topological phase transition in Pb(1-x)Sn(x)Te. <b>2012</b> , 3, 1192	481
1770	Band-gap expansion in the surface-localized electronic structure of MoS2(0002). <b>2012</b> , 86,	38

1769	Fabrication and characterization of the gapless half-Heusler YPtSb thin films. 2012, 112, 103910	12
1768	Magnetoresistive effect of a topological-insulator waveguide in the presence of a magnetic field. <b>2012</b> , 101, 262403	7
1767	Two-dimensional electronic transport on the surface of three-dimensional topological insulators. <b>2012</b> , 86,	30
1766	Noncommutative Kubo formula: Applications to transport in disordered topological insulators with and without magnetic fields. <b>2012</b> , 86,	15
1765	Micro-Raman spectroscopy of mechanically exfoliated few-quintuple layers of Bi2Te3, Bi2Se3, and Sb2Te3 materials. <b>2012</b> , 111, 054305	218
1764	Atomic and electronic structure of ultrathin Bi(111) films grown on Bi2Te3(111) substrates: evidence for a strain-induced topological phase transition. <b>2012</b> , 109, 227401	107
1763	Spin injection into a metal from a topological insulator. <b>2012</b> , 86,	19
1762	Dirac Electrons on a Sharply Edged Surface of Topological Insulators. <b>2012</b> , 81, 093705	11
1761	Nano-optical imaging and spectroscopy of order, phases, and domains in complex solids. <b>2012</b> , 61, 745-842	167
1760	Quantum transport in topological insulator hybrid structures combination of topological insulator and superconductor. <b>2012</b> , 55, 2226-2236	9
1759	Majorana zero-modes and topological phases of multi-flavored Jackiw-Rebbi model. <b>2012</b> , 2012, 1	5
1758	Two-dimensional Dirac fermions in the presence of long-range correlated disorder. <b>2012</b> , 85,	17
1757	Fermi level tuning and a large activation gap achieved in the topological insulator Bi2Te2Se by Sn doping. <b>2012</b> , 85,	106
1756	Bi(111) thin film with insulating interior but metallic surfaces. <b>2012</b> , 109, 166805	83
1755	Phase diagram of the strongly correlated Kane-Mele-Hubbard model. <b>2012</b> , 85,	23
1754	Constructing a large variety of Dirac-cone materials in the Bi(1-x)Sb(x) thin film system. <b>2012</b> , 4, 7786-90	14
1753	Electrostatic effects and band bending in doped topological insulators. 2012, 86,	18
1752	Thermodynamics of localized magnetic moments in a Dirac conductor. <b>2012</b> , 86,	4

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1751	Electromagnetic and gravitational responses and anomalies in topological insulators and superconductors. <b>2012</b> , 85,	184
1750	Ferromagnetism in thin-film Cr-doped topological insulator Bi2Se3. <b>2012</b> , 100, 082404	133
1749	Noncommutative geometry for three-dimensional topological insulators. <b>2012</b> , 86,	40
1748	Manipulation of electronic transport in the Bi(111) surface state. <b>2012</b> , 108, 266804	21
1747	Quasiparticle states and quantum interference induced by magnetic impurities on a two-dimensional topological superconductor. <b>2012</b> , 24, 145502	4
1746	Thermoelectric efficiency of topological insulators in a magnetic field. <b>2012</b> , 111, 07E319	14
1745	Quantum anomalous Hall effect with tunable Chern number in magnetic topological insulator film. <b>2012</b> , 85,	93
1744	A note on the topological insulator phase in non-Hermitian quantum systems. <b>2012</b> , 24, 145302	17
1743	Andreev reflection in two-dimensional topological insulators with either conserved or broken time-reversal symmetry. <b>2012</b> , 86,	13
1742	Time-reversal invariant realization of the Weyl semimetal phase. <b>2012</b> , 85,	294
1742 1741		<sup>2</sup> 94
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1741	Magnetoexcitons and optical absorption of bilayer-structured topological insulators. <b>2012</b> , 100, 161602	4
1741 1740	Magnetoexcitons and optical absorption of bilayer-structured topological insulators. 2012, 100, 161602  Macroscopic quantum electrodynamics in nonlocal and nonreciprocal media. 2012, 14, 083034  Electronic structure and transport on the surface of topological insulator attached to an electromagnetic superlattice. 2012, 407, 3664-3670	35
1741 1740 1739	Magnetoexcitons and optical absorption of bilayer-structured topological insulators. 2012, 100, 161602  Macroscopic quantum electrodynamics in nonlocal and nonreciprocal media. 2012, 14, 083034  Electronic structure and transport on the surface of topological insulator attached to an electromagnetic superlattice. 2012, 407, 3664-3670  Scanning tunneling microscopy of two-dimensional semiconductors: Spin properties and disorder. 2012, 44, 1795-1814  Tunneling conductance in topological insulator ferromagnet/p-wave superconductor junctions.	4 35 3
1741 1740 1739 1738	Magnetoexcitons and optical absorption of bilayer-structured topological insulators. 2012, 100, 161602  Macroscopic quantum electrodynamics in nonlocal and nonreciprocal media. 2012, 14, 083034  Electronic structure and transport on the surface of topological insulator attached to an electromagnetic superlattice. 2012, 407, 3664-3670  Scanning tunneling microscopy of two-dimensional semiconductors: Spin properties and disorder. 2012, 44, 1795-1814  Tunneling conductance in topological insulator ferromagnet/p-wave superconductor junctions. 2012, 152, 1655-1659	4 35 3 21
1741 1740 1739 1738	Magnetoexcitons and optical absorption of bilayer-structured topological insulators. 2012, 100, 161602  Macroscopic quantum electrodynamics in nonlocal and nonreciprocal media. 2012, 14, 083034  Electronic structure and transport on the surface of topological insulator attached to an electromagnetic superlattice. 2012, 407, 3664-3670  Scanning tunneling microscopy of two-dimensional semiconductors: Spin properties and disorder. 2012, 44, 1795-1814  Tunneling conductance in topological insulator ferromagnet/p-wave superconductor junctions. 2012, 152, 1655-1659	4 35 3 21 7

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1732	Growth of high-mobility Bi2Te2Se nanoplatelets on hBN sheets by van der Waals epitaxy. <b>2012</b> , 12, 5137-42	84
1731	Anomalous quantum diffusion and the topological metal. <b>2012</b> , 86,	2
1730	Symmetries and weak localization and antilocalization of Dirac fermions in HgTe quantum wells. <b>2012</b> , 86,	20
1729	Topological crystalline insulator states in 'Pb(1-x)Sn(x)Se. <b>2012</b> , 11, 1023-7	582
1728	Electrical modulation of the edge channel transport in topological insulators coupled to ferromagnetic leads. <b>2012</b> , 112, 063710	6
1727	Dirac-fermion-mediated ferromagnetism in a topological insulator. <b>2012</b> , 8, 729-733	262
1726	Theoretical and experimental study of second harmonic generation from the surface of the topological insulator Bi2Se3. <b>2012</b> , 86,	60
1725	Ultrafast surface carrier dynamics in the topological insulator Bi⊞e□ <b>2012</b> , 12, 3532-6	165
1724	Terahertz response and colossal Kerr rotation from the surface states of the topological insulator Bi2Se3. <b>2012</b> , 108, 087403	173
1723	Reversible tuning of the surface state in a pseudobinary Bi2(Te-Se)3 topological insulator. <b>2012</b> , 86,	8
1722	Phase stability, structures and properties of the (Bi2)m (Bi2Te3)n natural superlattices. <b>2012</b> , 193, 13-18	25
1721	Prospects of nanostructures Bi1⊠Sbx for thermoelectricity. <b>2012</b> , 193, 71-75	6
1720	First-principles calculation of topological invariants within the FP-LAPW formalism. <b>2012</b> , 183, 1849-1859	41
1719	Impurity Effects on Superconductivity on Surfaces of Topological Insulators. 2012, 81, 084707	6
1718	Effect of electron-electron interaction on surface transport in the Bi2Te3 family of three-dimensional topological insulators. <b>2012</b> , 85,	25
1717	All-electrical injection and detection of a spin-polarized current using 1D conductors. <b>2012</b> , 109, 177202	22
1716	Interaction-enhanced magnetically ordered insulating state at the edge of a two-dimensional topological insulator. <b>2012</b> , 86,	11

1715	Tunable Dirac cone in the topological insulator Bi(2-x)Sb(x)Te(3-y)Se(y). <b>2012</b> , 3, 636	261
1714	Three-dimensional models of topological insulators: engineering of Dirac cones and robustness of the spin texture. <b>2012</b> , 109, 266805	19
1713	Topological materials. <b>2012</b> , 75, 096501	264
1712	Topological electronic structure and Weyl semimetal in the TlBiSe2 class of semiconductors. <b>2012</b> , 86,	118
1711	Control over topological insulator photocurrents with light polarization. <b>2011</b> , 7, 96-100	375
1710	Photoemission spectroscopy of magnetic and nonmagnetic impurities on the surface of the Bi2Se3 topological insulator. <b>2012</b> , 108, 117601	164
1709	Quasiparticle interference on the surface of Bi2Se3 induced by cobalt adatom in the absence of ferromagnetic ordering. <b>2012</b> , 85,	54
1708	Magnetic dead layer at the interface between a Co film and the topological insulator Bi2Se3. <b>2012</b> , 86,	31
1707	Optical conductivity of bismuth-based topological insulators. <b>2012</b> , 86,	74
1706	Thermal instability of protected end states in a one-dimensional topological insulator. 2012, 86,	52
1705	Bi2Te1.6S1.4: A topological insulator in the tetradymite family. <b>2012</b> , 85,	36
1704	Probing two topological surface bands of Sb2Te3 by spin-polarized photoemission spectroscopy. <b>2012</b> , 86,	73
1703	Weak antilocalization and conductance fluctuation in a submicrometer-sized wire of epitaxial Bi2Se3. <b>2012</b> , 85,	71
1702	Three-dimensional topological insulators: A review on host materials. <b>2012</b> , 55, 2199-2212	26
1701	Topological semimetal in a fermionic optical lattice. <b>2012</b> , 8, 67-70	144
1700	Introduction. <b>2012</b> , 1-11	1
1699	Three-Dimensional Topological Insulators. <b>2012</b> , 113-139	
1698	The comprehensive phase evolution for Bi2Te3 topological compound as function of pressure. <b>2012</b> , 111, 112630	39

1697	Fermi level shift in topological insulatorBilicon heterostructures. <b>2012</b> , 152, 2027-2030	7
1696	Single Crystal Growth and Transport Properties of Cu-doped Topological Insulator Bi2Se3. <b>2012</b> , 36, 638-643	10
1695	Ultrafast photodoping and effective Fermi-Dirac distribution of the Dirac particles in Bi2Se3. <b>2012</b> , 86,	81
1694	Local photocurrent generation in thin films of the topological insulator Bi2Se3. <b>2012</b> , 101, 251110	25
1693	Dynamical band-engineering of spin-polarized edge-states in normal insulators. <b>2012</b> , 100, 203106	2
1692	Weak anti-localization and quantum oscillations of surface states in topological insulator BiBelle. <b>2012</b> , 2, 726	145
1691	Anomalous anisotropic magnetoresistance in topological insulator films. <b>2012</b> , 5, 739-746	59
1690	Bulk intergrowth of a topological insulator with a room-temperature ferromagnet. <b>2012</b> , 85,	26
1689	The electronic structure of clean and adsorbate-covered Bi2Se3: an angle-resolved photoemission study. <b>2012</b> , 27, 124001	42
1688	Magnetoplasmon spectrum of two-dimensional helical metals. <b>2012</b> , 14, 013047	
1687	Electron interaction and localization in ultrathin topological insulator films. 2012, 55, 2213-2225	3
1686	Magneto-optical effects in semimetallic Bi1⊠Sbx (x=0.015). <b>2012</b> , 86,	5
1685	Quantum capacitance in topological insulators under strain in a tilted magnetic field. <b>2012</b> , 101, 231609	1
1684	Zoology of fractional Chern insulators. <b>2012</b> , 85,	107
1683	Spin and charge structure of the surface states in topological insulators. <b>2012</b> , 86,	44
1682	Experimental realization of superconducting quantum interference devices with topological insulator junctions. <b>2012</b> , 100, 072602	54
1681	Geometrical engineering of a two-band Chern insulator in two dimensions with arbitrary topological index. <b>2012</b> , 85,	52

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1679	Sb concentration dependent structural and resistive properties of polycrystalline Bi-Sb alloys. <b>2012</b> , 112, 083706	21
1678	Gate-controlled linear magnetoresistance in thin Bi2Se3 sheets. <b>2012</b> , 100, 212402	65
1677	Characterization of Bi2Te3 and Bi2Se3 topological insulators grown by MBE on (001) GaAs substrates. <b>2012</b> , 30, 02B103	30
1676	Surface relaxation of topological insulators: Influence on the electronic structure. <b>2012</b> , 85,	39
1675	Large-scale production of ultrathin topological insulator bismuth telluride nanosheets by a hydrothermal intercalation and exfoliation route. <b>2012</b> , 22, 4921	137
1674	Exotic topological insulator states and topological phase transitions in Sb2Se3-Bi2Se3 heterostructures. <b>2012</b> , 6, 2345-52	51
1673	Topological quantum phase transitions driven by external electric fields in SbIIeIthin films. <b>2012</b> , 109, 671-4	59
1672	A search model for topological insulators with high-throughput robustness descriptors. <b>2012</b> , 11, 614-9	215
1671	Transport in three-dimensional topological insulators: Theory and experiment. <b>2012</b> , 44, 860-884	110
1670	Constructing anisotropic single-Dirac-cones in Bi(1-x)Sb(x) thin films. <b>2012</b> , 12, 2021-6	32
1669	Measurement of an exceptionally weak electron-phonon coupling on the surface of the topological insulator Bi2Se3 using angle-resolved photoemission spectroscopy. <b>2012</b> , 108, 187001	123
1668	Josephson supercurrent through a topological insulator surface state. <b>2012</b> , 11, 417-21	241
1667	Computational design of axion insulators based on 5d spinel compounds. <b>2012</b> , 108, 146601	101
1666	Thin-film magnetization dynamics on the surface of a topological insulator. <b>2012</b> , 108, 187201	92
1665	Single crystalline ∰ag2Te nanowire as a new topological insulator. <b>2012</b> , 12, 4194-9	63
1664	Effect of magnetic field on electron transport in HgTe/CdTe quantum wells: Numerical analysis. <b>2012</b> , 85,	45
1663	Thickness dependence oscillations of transport properties in thin films of a topological insulator Bi91Sb9. <b>2012</b> , 101, 023108	4
1662	Surface metallic states in ultrathin Bi(001) films studied with terahertz time-domain spectroscopy. <b>2012</b> , 100, 251605	20

1661	Hedgehog spin texture and Berry⊠ phase tuning in a magnetic topological insulator. <b>2012</b> , 8, 616-622	308
1660	Surface-dominated conduction in a 6 nm thick Bi2Se3 thin film. <b>2012</b> , 12, 1486-90	146
1659	Spin response of electrons on the surface of a topological insulator. <b>2012</b> , 86,	21
1658	Landau level spectroscopy of surface states in the topological insulator Bi0.91Sb0.09 via magneto-optics. <b>2012</b> , 85,	49
1657	Spin conduction in anisotropic three-dimensional topological insulators. <b>2012</b> , 85,	9
1656	Ultra-low carrier concentration and surface-dominant transport in antimony-doped BiBell topological insulator nanoribbons. <b>2012</b> , 3, 757	175
1655	Angle-Resolved Photoemission Studies of Quantum Materials. <b>2012</b> , 3, 129-167	59
1654	Gate-controlled surface conduction in Na-doped Bi2Te3 topological insulator nanoplates. <b>2012</b> , 12, 1170-5	119
1653	Bismuth hexagons: facile mass synthesis, stability and applications. <b>2012</b> , 13, 2162-9	13
1652	Interplay between topological insulators and superconductors. <b>2012</b> , 85,	41
1651	Band inversion mechanism in topological insulators: A guideline for materials design. 2012, 85,	59
1650	Junction between surfaces of two topological insulators. <b>2012</b> , 85,	30
1649	Topological quantum phase transition in 5d transition metal oxide Na2IrO3. <b>2012</b> , 108, 106401	83
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156	Persistence of Monoclinic Crystal Structure in 3D Second-Order Topological Insulator Candidate 1T'-MoTe Thin Flake Without Structural Phase Transition <b>2021</b> , e2101532	1
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154	2D layered black arsenic-phosphorus materials: Synthesis, properties, and device applications. <b>2022</b> , 15, 3737-3752	3
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150	Pressure-Induced Superconductivity in HgTe Single-Crystal Film <b>2022</b> , e2200590	O

149	Magnetoactive Acoustic Topological Transistors <b>2022</b> , e2201204	0
148	Stacking-Dependent Topological Phases in Quasi-1D Bismuth Halides. <b>2022</b> , 77-120	
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146	Backgrounds. <b>2022</b> , 3-19	
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140	Benchmarking Noise and Dephasing in Emerging Electrical Materials for Quantum Technologies <b>2022</b> , e2109671	1
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133	All topological bands of all nonmagnetic stoichiometric materials <b>2022</b> , 376, eabg9094	8
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130	Synthesis of Ultrathin Bismuth Metallene Under Mild Conditions.	
129	Selective mode excitations and spontaneous emission engineering in quantum emitter-photonic structure coupled systems. <b>2022</b> , 30, 21103	
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114	Magneto-optical Spectroscopy with RAMBO: A Table-Top 30 T Magnet. <b>2022</b> , 91,	O

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60	Fine details of sixfold Dirac fermions in pyrite-structured PdSb2. <b>2022</b> , 106,	O

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55	Magnetotransport in Weyl semimetal with and without disorder and the effect of tilted magnetic field. <b>2023</b> , 148, 115601	О
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44	Electromagnetic shielding induced by topological surface states. <b>2023</b> , 138,	O
43	Anisotropic angle-dependent Andreev reflection at the ferromagnet/superconductor junction on the surface of topological insulators.	О
42	Single crystal growth of topological semimetals and magnetic topological materials. <b>2023</b> , 72, 038101	O

41	Influence of Dirac cone warping and tilting on the Friedel oscillations in a topological insulator. <b>2023</b> , 107,	Ο
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33	Metrology of band topology via resonant inelastic x-ray scattering. <b>2023</b> , 107,	О
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27	Magneto-optical conductivity of nodal loop semimetals. <b>2023</b> , 466, 128694	О
26	Quantum transport in topological semimetals under magnetic fields (III). 2023, 18,	O
25	Growth of BiSb on GaAs (001) and (111)A surfaces: A joint experimental and theoretical study. <b>2023</b> , 622, 156688	Ο
24	Generation of high-power Q-switched pulses based on arc-shaped fiber and tapered fiber with Sb2Te3 in erbium/ytterbium doped fiber laser. <b>2023</b> , 129, 104581	O

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22	Topological contribution to magnetism in the Kane-Mele model: An explicit wave-function approach. <b>2023</b> , 107,	0
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20	One-dimensional noninteracting topological insulators with chiral symmetry. <b>2023</b> , 107,	O
19	Topological edge states in photonic decorated trimer lattices. 2023, 48, 1802	О
18	A computational method to estimate spinBrbital interaction strength in solid state systems. <b>2023</b> , 221, 112090	Ο
17	Intrinsic magnetic topological materials. <b>2023</b> , 18,	О
16	Topological skyrmion phases of matter. <b>2023</b> , 35, 184001	Ο
15	Topological Nodal Surface and Quadratic Dirac Semimetal States and van Hove Singularities in ScH3 and LuH3 Superconductors. <b>2023</b> , 8, 9607-9613	O
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13	Exciton condensation in strongly correlated quantum spin Hall insulators. 2023, 107,	O
12	Large-area 2D bismuth antimonide with enhanced thermoelectric properties via multiscale electronBhonon decoupling.	O
11	Systematic study for two-dimensional Z2 topological phase transitions at high-symmetry points in all layer groups. <b>2023</b> , 107,	0
10	Temperature profile of the Thomson-effect-induced heat release/absorption in junctionless single conductors. <b>2023</b> , 62, 037001	О
9	Topological Insulator Metamaterials.	О
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7	Symmetry-engineered nodal lines and hourglass fermions in patterned two-dimensional electron gas. <b>2023</b> , 107,	0
6	Quantum state transport in square lattice superconducting qubit circuits under gauge potential. <b>2023</b> , 0	Ο

5	Fabrication and Applications of Heterostructure Materials for Broadband Ultrafast Photonics.	O
4	Investigation of topological regime in Bi2Se3 thin films through low-frequency electric noise. <b>2023</b> , 122, 143103	O
3	Plasmons in Z2 topological insulators. <b>2023</b> , 107,	O
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