Binghai Yan

List of Publications by Year
in descending order

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212 papers	20,128 citations	12330 69 h-index	11052 137 g-index
223 all docs	223 docs citations	223 times ranked	13984 citing authors

#	Article	IF	Citations
1	Theory of Chirality Induced Spin Selectivity: Progress and Challenges. Advanced Materials, 2022, 34, e2106629.	21.0	119
2	Twisted photovoltaics at terahertz frequencies from momentum shift current. Physical Review Research, 2022, 4, .	3.6	15
3	Exchange-biased topological transverse thermoelectric effects in a Kagome ferrimagnet. Nature Communications, 2022, 13, 1091.	12.8	21
4	Charge density wave order in the kagome metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Sb</mml:mi><mml:mn>5</mml:mn></<mml:math		

#	Article	IF	Citations
19	Origins of electronic bands in the antiferromagnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2021, 104, .	3.2	27
20	Charge Density Waves and Electronic Properties of Superconducting Kagome Metals. Physical Review Letters, 2021, 127, 046401.	7.8	238
21	Quantum oscillations, magnetic breakdown and thermal Hall effect in Co₃Sn₂S₂. Journal Physics D: Applied Physics, 2021, 54, 454003.	2.8	12
22	Roton pair density wave in a strong-coupling kagome superconductor. Nature, 2021, 599, 222-228.	27.8	276
23	Detection of the Orbital Hall Effect by the Orbitalâ€“Spin Conversion. , 2021, , 353-364.		2
24	Evidence of topological boundary modes with topological nodal-point superconductivity. Nature Physics, 2021, 17, 1413-1419.	16.7	40
25	Higher-order quantum magnetic inductions in chiral topological materials. Physical Review B, 2021, 104, .	3.2	0
26	Spin and Charge Interconversion in Dirac-Semimetal Thin Films. Physical Review Applied, 2021, 16, .	3.8	20
27	Geometry of the charge density wave in the kagome metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi><mml:msub><mml:mrow><mml:mi mathvariant="normal">V</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mi>Sb</mml: Physical Review B, 2021, 104, .	3.2	47
28	Surface superconductivity in the type II Weyl semimetal TaIrTe4. National Science Review, 2020, 7, 579-587.	9.5	39
29	Induced half-metallicity and gapless chiral topological superconductivity in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CrI</mml:mi><mml:mn>3</mml:mn></ interface. Physical Review B, 2020, 102, .	3.2	2
30	Eightfold fermionic excitation in a charge density wave compound. Physical Review B, 2020, 102, .	3.2	20
31	Exploiting Twoâ€Dimensional Bi₂O₂Se for Trace Oxygen Detection. Angewandte Chemie, 2020, 132, 18094-18099.	2.0	7
32	A native oxide high-Î¹ gate dielectric for two-dimensional electronics. Nature Electronics, 2020, 3, 473-478.	26.0	141
33	Topological Lifshitz transition of the intersurface Fermi-arc loop in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NbIrTe</mml:mi><mml:mn>4</mml:mn></mml:msub> Physical Review B, 2020, 102, .	3.2	12
34	Crystal Structure and Evaluation of the Anti-Gastric Cancer Activity of a New Sr(II)-Based Coordination Polymer. Journal of Structural Chemistry, 2020, 61, 566-573.	1.0	0
35	Nonvanishing Subgap Photocurrent as a Probe of Lifetime Effects. Physical Review Letters, 2020, 125, 227401.	7.8	18
36	Magnetic asymmetry induced anomalous spin-orbit torque in IrMn. Physical Review B, 2020, 101, .	3.2	36

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37	Finite-temperature violation of the anomalous transverse Wiedemann-Franz law. Science Advances, 2020, 6, eaaz3522.	10.3	50
38	An electron-counting rule to determine the interlayer magnetic coupling of the van der Waals materials. 2D Materials, 2020, 7, 045010.	4.4	27
39	Band inversion and topology of the bulk electronic structure in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>FeSe</mml:mi><mml:mrow><mml:mn>0. Physical Review B, 2020, 101, .	3.2	18
40	Exchange bias and quantum anomalous Hall effect in the MnBi ₂ Te ₄ /CrI ₃ heterostructure. Science Advances, 2020, 6, eaaz0948.	10.3	89
41	Visualizing coexisting surface states in the weak and crystalline topological insulator Bi2TeI. Nature Materials, 2020, 19, 610-616.	27.5	23
42	Exploiting Twoâ€Dimensional Bi₂O₂Se for Trace Oxygen Detection. Angewandte Chemie - International Edition, 2020, 59, 17938-17943.	13.8	31
43	Giant room temperature anomalous Hall effect and tunable topology in a ferromagnetic topological semimetal Co2MnAl. Nature Communications, 2020, 11, 3476.	12.8	127
44	Electronic structure and spatial inhomogeneity of iron-based superconductor FeS. Chinese Physics B, 2020, 29, 047401.	1.4	4
45	Attosecond spectral singularities in solid-state high-harmonic generation. Nature Photonics, 2020, 14, 183-187.	31.4	94
46	Observation of charge to spin conversion in Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mm at room temperature. Physical Review Research, 2020, 2, .	3.6	78
47	Active learning algorithm for computational physics. Physical Review Research, 2020, 2, .	3.6	14
48	Consequences of time-reversal-symmetry breaking in the light-matter interaction: Berry curvature, quantum metric, and diabatic motion. Physical Review Research, 2020, 2, .	3.6	71
49	Surface conductivity in antiferromagnetic semiconductor CrSb2. Physical Review Research, 2020, 2, .	3.6	1
50	Topological Lifshitz transitions and Fermi arc manipulation in Weyl semimetal NbAs. Nature Communications, 2019, 10, 3478.	12.8	41
51	Resolving the topological classification of bismuth with topological defects. Science Advances, 2019, 5, eaax6996.	10.3	59
52	Higher-Order Topology, Monopole Nodal Lines, and the Origin of Large Fermi Arcs in Transition Metal Dichalcogenides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi><mml:mrow><mml:msub><mml:mrow><mml:mi>Te</mml:mi></mml:mrow><mml:mrow><mml:m		

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55	Fermi-arc diversity on surface terminations of the magnetic Weyl semimetal Co ₃ Sn ₂ S ₂. Science, 2019, 365, 1286-1291.	12.6	441
56	A case study for the formation of stanene on a metal surface. Communications Physics, 2019, 2, .	5.3	30
57	Extremely high conductivity observed in the triple point topological metal MoP. Nature Communications, 2019, 10, 2475.	12.8	54
58	Large spin-orbit torque efficiency enhanced by magnetic structure of collinear antiferromagnet IrMn. Science Advances, 2019, 5, eaau6696.	10.3	70
59	Strong spin-orbit coupling and Dirac nodal lines in the three-dimensional electronic structure of metallic rutile <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>IrO</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2019, 99, .	3.2	18
60	Topological crystalline insulators from stacked graphene layers. Physical Review B, 2019, 99, .	3.2	6
61	Giant intrinsic spin Hall effect in W ₃ Ta and other A15 superconductors. Science Advances, 2019, 5, eaav8575.	10.3	52
62	Formation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msubsup><mml:mi mathvariant="normal">H</mml:mi><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:msubsup></mml:math> from hydrocarbon dications induced by collisions with charged particles. Physical Review A, 2019, 100, .	2.5	9
63	Intrinsic Anomalous Nernst Effect Amplified by Disorder in a Half-Metallic Semimetal. Physical Review X, 2019, 9, .	8.9	45
64	Low Residual Carrier Concentration and High Mobility in 2D Semiconducting Bi₂O₂Se. Nano Letters, 2019, 19, 197-202.	9.1	95
65	Two-dimensional ferroelectric topological insulators in functionalized atomically thin bismuth layers. Physical Review B, 2018, 97, .	3.2	37
66	Tunable Weyl and Dirac states in the nonsymmorphic compound CeSbTe. Science Advances, 2018, 4, eaar2317.	10.3	110
67	Topological antiferromagnetic spintronics. Nature Physics, 2018, 14, 242-251.	16.7	427
68	Quantum oscillations in the type-II Dirac semi-metal candidate PtSe₂. New Journal of Physics, 2018, 20, 043008.	2.9	28
69	Pressure-induced superconductivity and topological quantum phase transitions in a quasi-one-dimensional topological insulator: Bi4I4. Npj Quantum Materials, 2018, 3, .	5.2	34
70	Symmetry demanded topological nodal-line materials. Advances in Physics: X, 2018, 3, 1414631.	4.1	146
71	Berry curvature dipole in Weyl semimetal materials: An ab initio study. Physical Review B, 2018, 97, .	3.2	150
72	Structure and electronic properties of the (3Ã—3)R30â˜SnAu2/Au(111) surface alloy. Physical Review B, 2018, 98, .	3.2	14

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73	Experimental observation of conductive edge states in weak topological insulator candidate HfTe5. APL Materials, 2018, 6, .	5.1	19
74	Electronic structures and unusually robust bandgap in an ultrahigh-mobility layered oxide semiconductor, Bi ₂ O ₂ Se. Science Advances, 2018, 4, eaat8355.	10.3	167
75	Photogalvanic effect in Weyl semimetals from first principles. Physical Review B, 2018, 97, .	3.2	77
76	Self-modulation doping effect in the high-mobility layered semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:m mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Se</mml:mi></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	63
77	Electrically tuneable nonlinear anomalous Hall effect in two-dimensional transition-metal dichalcogenides WTe ₂ and MoTe ₂. 2D Materials, 2018, 5, 044001.	4.4	108
78	Rashba spin splitting of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>L</mml:mi></mml:math> -gap surface states on Ag(111) and Cu(111). Physical Review B, 2018, 98, .	3.2	24
79	Anomalous Hall effect in Weyl semimetal half-Heusler compounds RPtBi (R = Gd and Nd). Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9140-9144.	7.1	126
80	Spin Hall effect emerging from a noncollinear magnetic lattice without spinâ€“orbit coupling. New Journal of Physics, 2018, 20, 073028.	2.9	65
81	Quasiparticle Interference Studies of Quantum Materials. Advanced Materials, 2018, 30, e1707628.	21.0	21
82	Tunable quantum order in bilayer Bi2Te3: Stacking dependent quantum spin Hall states. Applied Physics Letters, 2018, 112, 243103.	3.3	6
83	Observation of topological surface states and strong electron/hole imbalance in extreme magnetoresistance compound LaBi. Physical Review Materials, 2018, 2, .	2.4	16
84	Multiple Dirac cones at the surface of the topological metal LaBi. Nature Communications, 2017, 8, 13942.	12.8	135
85	Impurity screening and stability of Fermi arcs against Coulomb and magnetic scattering in a Weyl monopnictide. Physical Review B, 2017, 95, .	3.2	16
86	Signature of type-II Weyl semimetal phase in MoTe2. Nature Communications, 2017, 8, 13973.	12.8	358
87	Topological Materials: Weyl Semimetals. Annual Review of Condensed Matter Physics, 2017, 8, 337-354.	14.5	1,110
88	AgRuO₃, a Strongly Exchangeâ€Coupled Honeycomb Compound Lacking Longâ€Range Magnetic Order. Chemistry - A European Journal, 2017, 23, 4680-4686.	3.3	12
89	Strong anisotropic anomalous Hall effect and spin Hall effect in the chiral antiferromagnetic compounds<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></m	3.2	197
90	Topological Quantum Phase Transition and Superconductivity Induced by Pressure in the Bismuth Tellurohalide BiTeI. Advanced Materials, 2017, 29, 1605965.	21.0	51

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91	High electron mobility and quantum oscillations in non-encapsulated ultrathin semiconducting Bi2O2Se. Nature Nanotechnology, 2017, 12, 530-534.	31.5	507
92	Dirac line nodes and effect of spin-orbit coupling in the nonsymmorphic critical semimetals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>M</mml:mi><mml:mi>SiS</mml:mi><mml:mspace width="0.16em" /><mml:mo>(</mml:mo><mml:mi>M</mml:mi><mml:mo>=</mml:mo><mml:mi>Hf</mml:mi><mml:mo>,</mml:mo><mml:mspace) Tj E	3.2	131
93	Revie Unusual magnetotransport from Si-square nets in topological semimetal HfSiS. Physical Review B, 2017, 95, .	3.2	55
94	Topological Weyl semimetals in the chiral antiferromagnetic materials Mn₃Ge and Mn₃Sn. New Journal of Physics, 2017, 19, 015008.	2.9	277
95	Weyl Semimetals as Hydrogen Evolution Catalysts. Advanced Materials, 2017, 29, 1606202.	21.0	169
96	Topological Dirac semimetal phase in Pd and Pt oxides. Physical Review B, 2017, 95, .	3.2	26
97	Publisherâ€™s Note: Hot Electrons Regain Coherence in Semiconducting Nanowires [Phys. Rev. X 7 , 021016 (2017)]. Physical Review X, 2017, 7, .	8.9	0
98	Hidden type-II Weyl points in the Weyl semimetal NbP. Physical Review B, 2017, 96, .	3.2	9
99	Prediction of Triple Point Fermions in Simple Half-Heusler Topological Insulators. Physical Review Letters, 2017, 119, 136401.	7.8	75
100	Lifshitz Transitions Induced by Temperature and Surface Doping in Typeâ€II Weyl Semimetal Candidate T_dâ€WTe₂. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700209.	2.4	14
101	Publisher's Note: Unusual magnetotransport from Si-square nets in topological semimetal HfSiS [Phys. Rev. B 95 , 121109(R) (2017)]. Physical Review B, 2017, 95, .	3.2	2
102	Experimental signatures of the mixed axialâ€“gravitational anomaly in the Weyl semimetal NbP. Nature, 2017, 547, 324-327.	27.8	222
103	Photochemical Water Splitting by Bismuth Chalcogenide Topological Insulators. ChemPhysChem, 2017, 18, 2322-2327.	2.1	54
104	Chiral magnetoresistance in the Weyl semimetal NbP. Scientific Reports, 2017, 7, 43394.	3.3	71
105	Observation of nodal line in non-symmorphic topological semimetal InBi. New Journal of Physics, 2017, 19, 065007.	2.9	51
106	Hot Electrons Regain Coherence in Semiconducting Nanowires. Physical Review X, 2017, 7, .	8.9	8
107	Extremely high magnetoresistance and conductivity in the type-II Weyl semimetals WP2 and MoP2. Nature Communications, 2017, 8, 1642.	12.8	178
108	Observation of the topological surface state in the nonsymmorphic topological insulator KHgSb. Physical Review B, 2017, 96, .	3.2	21

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109	Spin-Polarized Current in Noncollinear Antiferromagnets. Physical Review Letters, 2017, 119, 187204.	7.8	168
110	Emergent Weyl Fermion Excitations in TaP Explored by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ta</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>181</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Quadrupole Resonance. Physical Review Letters, 2017, 118, 236403.	7.8	31
111	Dirac nodal lines and induced spin Hall effect in metallic rutile oxides. Physical Review B, 2017, 95, .	3.2	110
112	Superconductivity in Alkaline Earth Metal-Filled Skutterudites Ba_xIr₄X₁₂ (X = As, P). Journal of the American Chemical Society, 2017, 139, 8106-8109.	13.7	13
113	Model Hamiltonian and time reversal breaking topological phases of antiferromagnetic half-Heusler materials. Physical Review B, 2017, 95, .	3.2	37
114	Spectroscopic evidence for the gapless electronic structure in bulk ZrTe5. Journal of Electron Spectroscopy and Related Phenomena, 2017, 219, 45-52.	1.7	19
115	Topological origin of the type-II Dirac fermions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>PtSe</mml:mi><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Materials, 2017, 1, .	2.4	44
116	Time-reversal-breaking topological phases in antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> films. Physical Review B, 2016, 94, .	3.2	12
117	Negative magnetoresistance without well-defined chirality in the Weyl semimetal TaP. Nature Communications, 2016, 7, 11615.	12.8	429
118	Observation of unusual topological surface states in half-Heusler compounds LnPtBi (Ln=Lu, Y). Nature Communications, 2016, 7, 12924.	12.8	114
119	Metal-insulator transition and the anomalous Hall effect in the layered magnetic materials VS₂ and VSe₂. New Journal of Physics, 2016, 18, 113038.	2.9	75
120	Two-dimensional rectangular tantalum carbide halides TaCX (X = Cl, Br, I): novel large-gap quantum spin Hall insulators. 2D Materials, 2016, 3, 035018.	4.4	21
121	Pressure-driven superconductivity in the transition-metal pentatelluride<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>HfT</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 94, .	3.2	46
122	Chiral Weyl Pockets and Fermi Surface Topology of the Weyl Semimetal TaAs. Physical Review Letters, 2016, 117, 146401.	7.8	83
123	Strong Intrinsic Spin Hall Effect in the TaAs Family of Weyl Semimetals. Physical Review Letters, 2016, 117, 146403.	7.8	164
124	Large anomalous Hall effect driven by a nonvanishing Berry curvature in the noncolinear antiferromagnet Mn ₃ Ge. Science Advances, 2016, 2, e1501870.	10.3	561
125	Prediction of the quantum spin Hall effect in monolayers of transition-metal carbides MC (M = Ti, Zr,) Tj ETQq1 1 0.784314 rgBT /Ove	4.4	31
126	Quantum oscillations and the Fermi surface topology of the Weyl semimetal NbP. Physical Review B, 2016, 93, .	3.2	64

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127	Spin-orbit coupling of nonmagnetic cations in magnetic interactions for double-perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>B</mml:mi><mml:mi>Os</mml:mi><mml:msub><mml:m		

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145	New developments in the area of topological insulators. AIP Conference Proceedings, 2015, , .	0.4	0
146	Topological states on the gold surface. Nature Communications, 2015, 6, 10167.	12.8	148
147	Magnetically Frustrated Double Perovskites: Synthesis, Structural Properties, and Magnetic Order of Sr₂BOsO₆ (B = Y, In, Sc). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 197-205.	1.2	47
148	Proximity enhanced quantum spin Hall state in graphene. Carbon, 2015, 87, 418-423.	10.3	29
149	Linear Magnetoresistance Caused by Mobility Fluctuations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Cd</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mrow><mml:msub><mml:mrow><mml:mi>As</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:mrow></mml:math>. Physical Review Letters, 2015, 114, 117201.	7.8	306
150	Magnetic and superconducting phase diagram of the half-Heusler topological semimetal HoPdBi. Journal of Physics Condensed Matter, 2015, 27, 275701.	1.8	26
151	Extremely large magnetoresistance and ultrahigh mobility in the topological Weyl semimetal candidate NbP. Nature Physics, 2015, 11, 645-649.	16.7	893
152	Theoretical search for half-Heusler topological insulators. Physical Review B, 2015, 91, .	3.2	54
153	Na₄IrO₄: Squareâ€Planar Coordination of a Transition Metal in d⁵ Configuration due to Weak Onâ€Site Coulomb Interactions. Angewandte Chemie - International Edition, 2015, 54, 5417-5420.	13.8	13
154	Toward Rational Design of Catalysts Supported on a Topological Insulator Substrate. ACS Catalysis, 2015, 5, 7063-7067.	11.2	73
155	New Family of Quantum Spin Hall Insulators in Two-dimensional Transition-Metal Halide with Large Nontrivial Band Gaps. Nano Letters, 2015, 15, 7867-7872.	9.1	104
156	Encapsulated Silicene: A Robust Large-Gap Topological Insulator. ACS Applied Materials & Interfaces, 2015, 7, 19226-19233.	8.0	31
157	Weyl semimetal phase in the non-centrosymmetric compound TaAs. Nature Physics, 2015, 11, 728-732.	16.7	796
158	Ab initio study of topological surface states of strained HgTe. Europhysics Letters, 2014, 107, 57006.	2.0	21
159	Prediction of Near-Room-Temperature Quantum Anomalous Hall Effect on Honeycomb Materials. Physical Review Letters, 2014, 113, 256401.	7.8	263
160	Stacking-dependent energetics and electronic structure of ultrathin polymorphic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">VI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>topological insulator nanofilms. Physical Review B, 2014, 90, .	3.2	8
161	TiO2 Nanowires as a Wide Bandgap Dirac Material: a numerical study of impurity scattering and Anderson disorder. Materials Research Society Symposia Proceedings, 2014, 1659, 187-191.	0.1	0
162	Lattice-Site-Specific Spin Dynamics in Double Perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2014, 112, 147202.	7.8	59

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163	Magnetic phase transitions and iron valence in the double perovskite Sr 2 FeOsO 6. Hyperfine Interactions, 2014, 226, 289-297.	0.5	12
164	Weak topological insulators induced by the interlayer coupling: A first-principles study of stacked Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>TeI. Physical Review B, 2014, 89, .	3.2	46
165	Evidence of surface transport and weak antilocalization in a single crystal of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Te</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Se</mml:mi></mml:math>topological insulator. Physical Review B, 2014, 90, .	3.2	50
166	Robust 2D Topological Insulators in van der Waals Heterostructures. ACS Nano, 2014, 8, 10448-10454.	14.6	88
167	Opening a band gap without breaking lattice symmetry: a new route toward robust graphene-based nanoelectronics. Nanoscale, 2014, 6, 7474.	5.6	16
168	Half-Heusler topological insulators. MRS Bulletin, 2014, 39, 859-866.	3.5	68
169	Topological superconductivity at the edge of transition-metal dichalcogenides. Physical Review B, 2014, 90, .	3.2	31
170	Ab initiostudy of low-temperature magnetic properties of double perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">FeOsO</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	3.2	52
171	Large-Gap Quantum Spin Hall Insulators in Tin Films. Physical Review Letters, 2013, 111, 136804.	7.8	1,140
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