Hsin Lin

List of Publications by Year
in descending order

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265 papers	36,860 citations	6254 80 h-index	2953 189 g-index
270 all docs	270 docs citations	270 times ranked	21159 citing authors

#	Article	IF	Citations
1	Observation of a large-gap topological-insulator class with a single Dirac cone on the surface. Nature Physics, 2009, 5, 398-402.	16.7	3,207
2	Discovery of a Weyl fermion semimetal and topological Fermi arcs. Science, 2015, 349, 613-617.	12.6	2,753
3	A tunable topological insulator in the spin helical Dirac transport regime. Nature, 2009, 460, 1101-1105.	27.8	1,737
4	A Weyl Fermion semimetal with surface Fermi arcs in the transition metal monopnictide TaAs class. Nature Communications, 2015, 6, 7373.	12.8	1,336
5	A library of atomically thin metal chalcogenides. Nature, 2018, 556, 355-359.	27.8	1,225
6	Observation of a three-dimensional topological Dirac semimetal phase in high-mobility Cd3As2. Nature Communications, 2014, 5, 3786.	12.8	1,166
7	Topological crystalline insulators in the SnTe material class. Nature Communications, 2012, 3, 982.	12.8	1,146
8	Direct observation of the transition from indirect to direct bandgap in atomically thin epitaxial MoSe2. Nature Nanotechnology, 2014, 9, 111-115.	31.5	1,129
9	Colloquium: Topological band theory. Reviews of Modern Physics, 2016, 88, .	45.6	1,124
10	Observation of Time-Reversal-Protected Single-Dirac-Cone Topological-Insulator States in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Te</mml:mi><mml:mn xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Sb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Te</mml:mi><mml:mn Physical Review Letters, 2009, 103, 146401.	7.8	881
11	Discovery of a Weyl fermion state with Fermi arcs in niobium arsenide. Nature Physics, 2015, 11, 748-754.	16.7	817
12	Topological nodal-line fermions in spin-orbit metal PbTaSe2. Nature Communications, 2016, 7, 10556.	12.8	688
13	Half-Heusler ternary compounds as new multifunctional experimental platforms for topological quantum phenomena. Nature Materials, 2010, 9, 546-549.	27.5	633
14	Observation of Fermi arc surface states in a topological metal. Science, 2015, 347, 294-298.	12.6	603
15	Signatures of the Adlerâ€“Bellâ€“Jackiw chiral anomaly in a Weyl fermion semimetal. Nature Communications, 2016, 7, 10735.	12.8	603
16	Observation of a topological crystalline insulator phase and topological phase transition in Pb1â^'xSnxTe. Nature Communications, 2012, 3, 1192.	12.8	574
17	A topological insulator surface under strong Coulomb, magnetic and disorder perturbations. Nature Physics, 2011, 7, 32-37.	16.7	527
18	Observation of topological order in a superconducting doped topological insulator. Nature Physics, 2010, 6, 855-859.	16.7	412

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19	Gated silicene as a tunable source of nearly 100% spin-polarized electrons. Nature Communications, 2013, 4, 1500.	12.8	408
20	Topological Phase Transition and Texture Inversion in a Tunable Topological Insulator. Science, 2011, 332, 560-564.	12.6	404
21	Discovery of topological Weyl fermion lines and drumhead surface states in a room temperature magnet. Science, 2019, 365, 1278-1281.	12.6	374
22	Observation of the nonlinear Hall effect under time-reversal-symmetric conditions. Nature, 2019, 565, 337-342.	27.8	372
23	AtomicallyÂthin noble metal dichalcogenide: a broadband mid-infrared semiconductor. Nature Communications, 2018, 9, 1545.	12.8	367
24	Hedgehog spin texture and Berryâ€™s phase tuning in a magnetic topological insulator. Nature Physics, 2012, 8, 616-622.	16.7	353
25	Experimental discovery of a topological Weyl semimetal state in TaP. Science Advances, 2015, 1, e1501092.	10.3	337
26	Surface electronic structure of the topological Kondo-insulator candidate correlated electron system SmB6. Nature Communications, 2013, 4, 2991.	12.8	308
27	New type of Weyl semimetal with quadratic double Weyl fermions. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1180-1185.	7.1	291
28	Direct optical detection of Weyl fermion chirality in a topological semimetal. Nature Physics, 2017, 13, 842-847.	16.7	291
29	Negative flat band magnetism in a spinâ€“orbit-coupled correlated kagome magnet. Nature Physics, 2019, 15, 443-448.	16.7	283
30	Unconventional Chiral Fermions and Large Topological Fermi Arcs in RhSi. Physical Review Letters, 2017, 119, 206401.	7.8	270
31	Drumhead surface states and topological nodal-line fermions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TlTaSe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:m Physical Review B, 2016, 93, .	3.2	268
32	Topological electronic structure in half-Heusler topological insulators. Physical Review B, 2010, 82, .	3.2	258
33	Giant and anisotropic many-body spinâ€“orbit tunability in a strongly correlated kagome magnet. Nature, 2018, 562, 91-95.	27.8	255
34	Quantum-limit Chern topological magnetism in TbMn6Sn6. Nature, 2020, 583, 533-536.	27.8	253
35	Observation of Dirac Node Formation and Mass Acquisition in a Topological Crystalline Insulator. Science, 2013, 341, 1496-1499.	12.6	252
36	Topological quantum properties of chiral crystals. Nature Materials, 2018, 17, 978-985.	27.5	252

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37	High Mobility 2D Palladium Diselenide Fieldâ€Effect Transistors with Tunable Ambipolar Characteristics. Advanced Materials, 2017, 29, 1602969.	21.0	251
38	Prediction of an arc-tunable Weyl Fermion metallic state in MoxW1â^'xTe2. Nature Communications, 2016, 7, 10639.	12.8	249
39	Electrically switchable Berry curvature dipole in the monolayer topological insulator WTe2. Nature Physics, 2018, 14, 900-906.	16.7	249
40	Topological chiral crystals with helicoid-arc quantum states. Nature, 2019, 567, 500-505.	27.8	249
41	Topological Properties Determined by Atomic Buckling in Self-Assembled Ultrathin Bi(110). Nano Letters, 2015, 15, 80-87.	9.1	191
42	Single-Dirac-Cone Topological Surface States in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TlBiSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Class of Topological Semiconductors. Physical Review Letters, 2010, 105, 036404.	7.8	183
43	Topological Hopf and Chain Link Semimetal States and Their Application to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>Co</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review Letters, 2017, 119, 156401.	7.8	183
44	Largeâ€Area and Highâ€Quality 2D Transition Metal Telluride. Advanced Materials, 2017, 29, 1603471.	21.0	181
45	Discovery of Lorentz-violating type II Weyl fermions in LaAlGe. Science Advances, 2017, 3, e1603266.	10.3	176
46	Prediction of Large-Gap Two-Dimensional Topological Insulators Consisting of Bilayers of Group III Elements with Bi. Nano Letters, 2014, 14, 2505-2508.	9.1	173
47	Topological surface states and Dirac point tuning in ternary topological insulators. Physical Review B, 2012, 85, .	3.2	171
48	Discovery of a new type of topological Weyl fermion semimetal state in MoxW1â^'xTe2. Nature Communications, 2016, 7, 13643.	12.8	163
49	Atomically precise bottom-up synthesis of Ï€-extended [5]triangulene. Science Advances, 2019, 5, eaav7717.	10.3	159
50	One-band tight-binding model parametrization of the high-Tccuprates including the effect ofkzdispersion. Physical Review B, 2005, 72, .	3.2	153
51	Fast Photoresponse from 1T Tin Diselenide Atomic Layers. Advanced Functional Materials, 2016, 26, 137-145.	14.9	150
52	Room-temperature magnetic topological Weyl fermion and nodal line semimetal states in half-metallic Heusler Co2TiX (X=Si, Ge, or Sn). Scientific Reports, 2016, 6, 38839.	3.3	148
53	Type-II Symmetry-Protected Topological Dirac Semimetals. Physical Review Letters, 2017, 119, 026404.	7.8	145
54	Direct Observation of Broken Time-Reversal Symmetry on the Surface of a Magnetically Doped Topological Insulator. Physical Review Letters, 2011, 106, 206805.	7.8	142

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55	Thickness dependent electronic properties of Pt dichalcogenides. Npj 2D Materials and Applications, 2019, 3, .	7.9	138
56	Phase Transformation and Lithiation Effect on Electronic Structure of Li_xFePO₄: An In-Depth Study by Soft X-ray and Simulations. Journal of the American Chemical Society, 2012, 134, 13708-13715.	13.7	136
57	Layer Hall effect in a 2D topological axion antiferromagnet. Nature, 2021, 595, 521-525.	27.8	136
58	Topological electronic structure and Weyl semimetal in the TlBiSe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>class of semiconductors. Physical Review B, 2012, 86, .	3.2	135
59	Criteria for Directly Detecting Topological Fermi Arcs in Weyl Semimetals. Physical Review Letters, 2016, 116, 066802.	7.8	134
60	Magnetic and noncentrosymmetric Weyl fermion semimetals in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="italic">R</mml:mi><mml:mi		

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73	Controlled Synthesis of Organic/Inorganic van der Waals Solid for Tunable Lightâ€“Matter Interactions. Advanced Materials, 2015, 27, 7800-7808.	21.0	109
74	Tunable topological electronic structures in Sb(111) bilayers: A first-principles study. Applied Physics Letters, 2013, 102, .	3.3	107
75	Robust Large Gap Two-Dimensional Topological Insulators in Hydrogenated IIIâ€“V Buckled Honeycombs. Nano Letters, 2015, 15, 6568-6574.	9.1	105
76	Spin Polarization and Texture of the Fermi Arcs in the Weyl Fermion Semimetal TaAs. Physical Review Letters, 2016, 116, 096801.	7.8	102
77	The nontrivial electronic structure of Bi/Sb honeycombs on SiC(0001). New Journal of Physics, 2015, 17, 025005.	2.9	100
78	Signatures of a time-reversal symmetric Weyl semimetal with only four Weyl points. Nature Communications, 2017, 8, 942.	12.8	98
79	Imaging Doped Holes in a Cuprate Superconductor with High-Resolution Compton Scattering. Science, 2011, 332, 698-702.	12.6	84
80	Nontrivial topological electronic structures in a single Bi(111) bilayer on different substrates: A first-principles study. Physical Review B, 2013, 88, .	3.2	83
81	Magnetic-tunnelling-induced Weyl node annihilation in TaP. Nature Physics, 2017, 13, 979-986.	16.7	80
82	Spontaneous gyrotropic electronic order in a transition-metal dichalcogenide. Nature, 2020, 578, 545-549.	27.8	80
83	Mapping the unconventional orbital texture in topological crystalline insulators. Nature Physics, 2014, 10, 572-577.	16.7	79
84	Topological Dirac surface states and superconducting pairing correlations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PbTaSe</mml:mi><mml:mn>2</mml:mn></mml:msub></ Physical Review B, 2016, 93, .	3.2	79
85	Reversal of the Circular Dichroism in Angle-Resolved Photoemission from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Te</mml:mi><mml:mi Physical Review Letters, 2013, 110, 216801.	7.8	77
86	Coexistence of large conventional and planar spin Hall effect with long spin diffusion length in a low-symmetry semimetal at room temperature. Nature Materials, 2020, 19, 292-298.	27.5	77
87	Direct evidence of interaction-induced Dirac cones in a monolayer silicene/Ag(111) system. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14656-14661.	7.1	76
88	Imaging the evolution of metallic states in a correlated iridate. Nature Materials, 2013, 12, 707-713.	27.5	71
89	Visible Surface Plasmon Modes in Single Bi₂Te₃ Nanoplate. Nano Letters, 2015, 15, 8331-8335.	9.1	71
90	Nontrivial spin texture of the coaxial Dirac cones on the surface of topological crystalline insulator SnTe. Physical Review B, 2013, 87, .	3.2	65

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91	Spin texture on the warped Dirac-cone surface states in topological insulators. Physical Review B, 2011, 84, .	3.2	64
92	Raising Bi-O Bands above the Fermi Energy Level of Hole-DopedBi2Sr2CaCu2O8+Î´and Other Cuprate Superconductors. Physical Review Letters, 2006, 96, 097001.	7.8	62
93	Topology on a new facet of bismuth. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13255-13259.	7.1	61
94	Strain driven topological phase transitions in atomically thin films of group IV and V elements in the honeycomb structures. New Journal of Physics, 2014, 16, 105018.	2.9	58
95	Three-dimensional Dirac cone carrier dynamics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Na</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Cd</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 94, .	3.2	57
96	Multiple unpinned Dirac points in group-Va single-layers with phosphorene structure. Npj Computational Materials, 2016, 2, .	8.7	57
97	Hydrogenated ultra-thin tin films predicted as two-dimensional topological insulators. New Journal of Physics, 2014, 16, 115008.	2.9	56
98	Atomic-Scale Visualization of Quasiparticle Interference on a Type-II Weyl Semimetal Surface. Physical Review Letters, 2016, 117, 266804.	7.8	56
99	Stable charge density wave phase in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mo>â€“</mml:mo> monolayer. Physical Review B, 2017, 95, .	3.2	56
100	Observation of Weyl fermions in a magnetic non-centrosymmetric crystal. Nature Communications, 2020, 11, 3356.	12.8	55
101	Signatures of Fermi Arcs in the Quasiparticle Interferences of the Weyl Semimetals TaAs and NbP. Physical Review Letters, 2016, 116, 066601.	7.8	54
102	Predicting two-dimensional topological phases in Janus materials by substitutional doping in transition metal dichalcogenide monolayers. Npj 2D Materials and Applications, 2019, 3, .	7.9	53
103	Reproduction of the Charge Density Wave Phase Diagram in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext>â€”</mml:mtext><mml:msub><mml:mrow> Exposes its Excitonic Character. Physical Review Letters, 2018, 121, 226602.	7.8	49
104	A novel artificial condensed matter lattice and a new platform for one-dimensional topological phases. Science Advances, 2017, 3, e1501692.	10.3	48
105	Quasiparticle interference and nonsymmorphic effect on a floating band surface state of ZrSiSe. Nature Communications, 2018, 9, 4153.	12.8	48
106	Predicted Growth of Two-Dimensional Topological Insulator Thin Films of III-V Compounds on Si(111) Substrate. Scientific Reports, 2015, 5, 15463.	3.3	46
107	Non-Kondo-like Electronic Structure in the Correlated Rare-Earth Hexaboride<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mtext mathvariant="bold">Y</mml:mtext><mml:mtext mathvariant="bold">b</mml:mtext><mml:mtext mathvariant="bold">B</mml:mtext></mml:mrow><mml:mn>6</mml:mn></mml:msub></mml:math>.	7.8	46
108	Origin of the Electron-Hole Asymmetry in the Scanning Tunneling Spectrum of the High-Temperature<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Sr</mml:mi><mml:mn mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mo>+</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></m Physical Review Letters, 2009, 102, 037001.	7.8	44

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109	Origin of the high-energy kink in the photoemission spectrum of the high-temperature superconductorBi2Sr2CaCu2O8. Physical Review B, 2009, 80, .	3.2	42
110	Observation of the spin-polarized surface state in a noncentrosymmetric superconductor BiPd. Nature Communications, 2016, 7, 13315.	12.8	42
111	Noncollinear ferromagnetic Weyl semimetal with anisotropic anomalous Hall effect. Physical Review B, 2021, 103, .	3.2	42
112	Van Hove singularity and ferromagnetic instability in phosphorene. Physical Review B, 2015, 92, .	3.2	41
113	Purely rotational symmetry-protected topological crystalline insulator Î± -Bi₄Br₄. 2D Materials, 2019, 6, 031004.	4.4	41
114	Transition from intrinsic to extrinsic anomalous Hall effect in the ferromagnetic Weyl semimetal PrAlGe1â^'xSix. APL Materials, 2020, 8, .	5.1	41
115	Unconventional Photocurrents from Surface Fermi Arcs in Topological Chiral Semimetals. Physical Review Letters, 2020, 124, 166404.	7.8	40
116	The Changing Colors of a Quantum-Confined Topological Insulator. ACS Nano, 2014, 8, 1222-1230.	14.6	39
117	Oscillatory surface dichroism of the insulating topological insulator Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Te<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>Se. Physical Review B, 2013, 88, .	3.2	38
118	Nonlinear magnetotransport shaped by Fermi surface topology and convexity. Nature Communications, 2019, 10, 1290.	12.8	38
119	Topological Dangling Bonds with Large Spin Splitting and Enhanced Spin Polarization on the Surfaces of Bi₂Se₃. Nano Letters, 2013, 13, 1915-1919.	9.1	36
120	Thickness dependence of spin polarization and electronic structure of ultra-thin films of MoS2 and related transition-metal dichalcogenides. Scientific Reports, 2014, 4, 6270.	3.3	36
121	Topological insulators in the quaternary chalcogenide compounds and ternary famatinite compounds. New Journal of Physics, 2011, 13, 085017.	2.9	35
122	Nonsymmorphic cubic Dirac point and crossed nodal rings across the ferroelectric phase transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LiOsO</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review Materials, 2018, 2, .	2.4	35
123	An isolated Dirac cone on the surface of ternary tetradymite-like topological insulators. New Journal of Physics, 2011, 13, 095005.	2.9	34
124	Unconventional transformation of spin Dirac phase across a topological quantum phase transition. Nature Communications, 2015, 6, 6870.	12.8	34
125	Roomâ€Temperature Nanoseconds Spin Relaxation in WTe₂ and MoTe₂ Thin Films. Advanced Science, 2018, 5, 1700912.	11.2	34
126	Spin-orbit quantum impurity in a topological magnet. Nature Communications, 2020, 11, 4415.	12.8	34

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127	Spin-orbital ground states of superconducting doped topological insulators: A Majorana platform. Physical Review B, 2011, 83.	3.2	33
128	Fermi-surface topology and low-lying electronic structure of the iron-based superconductor Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

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145	Prediction of two-dimensional topological insulator by forming a surface alloy on Au/Si(111) substrate. Physical Review B, 2016, 93, .	3.2	27
146	Ultraquantum magnetoresistance in the Kramers-Weyl semimetal candidate Î²â˜Ag2Se. Physical Review B, 2017, 96, .	3.2	27
147	Interplay of orbital effects and nanoscale strain in topological crystalline insulators. Nature Communications, 2018, 9, 1550.	12.8	26
148	Topological phase diagram and saddle point singularity in a tunable topological crystalline insulator. Physical Review B, 2015, 92, .	3.2	25
149	Correlating structural, electronic, and magnetic properties of epitaxial VSe2 thin films. Physical Review B, 2020, 102, .	3.2	25
150	Magnetic and topological properties in hydrogenated transition metal dichalcogenide monolayers. Chinese Journal of Physics, 2020, 66, 15-23.	3.9	25
151	Exceptionally large anomalous Hall effect due to anticrossing of spin-split bands in the antiferromagnetic half-Heusler compound TbPtBi. Physical Review B, 2020, 101, .	3.2	24
152	Prediction of threefold fermions in a nearly ideal Dirac semimetal BaAgAs. Physical Review Materials, 2019, 3, .	2.4	24
153	Nanoscale Interplay of Strain and Doping in a High-Temperature Superconductor. Nano Letters, 2014, 14, 6749-6753.	9.1	23
154	Warping the cone on a Topological Insulator. Physics Magazine, 0, 2, .	0.1	22
155	Growth of a predicted two-dimensional topological insulator based on InBi-Si(111)- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:mn>7</mml:mn></mml:msqrt><mml:mo>Ã— Physical Review B, 2018, 98, .	3.2	22
156	Non-saturating quantum magnetization in Weyl semimetal TaAs. Nature Communications, 2019, 10, 1028.	12.8	22
157	Field-free platform for Majorana-like zero mode in superconductors with a topological surface state. Physical Review B, 2020, 101, .	3.2	22
158	Experimental observation of two massless Dirac-fermion gases in graphene-topological insulator heterostructure. 2D Materials, 2016, 3, 021009.	4.4	21
159	Two-dimensional Topological Crystalline Insulator Phase in Sb/Bi Planar Honeycomb with Tunable Dirac Gap. Scientific Reports, 2016, 6, 18993.	3.3	21
160	Quantum oscillations in the noncentrosymmetric superconductor and topological nodal-line semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PbTaSe</mml:mi><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2019, 99, .	3.2	21
161	Saddle-point Van Hove singularity and dual topological state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pt</mml:mi><mml:mn>3</mml:mn> Physical Review B, 2019, 100, .	3.2	21
162	Adiabatic transformation as a search tool for new topological insulators: Distorted ternary Li<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>AgSb-class semiconductors and related compounds. Physical Review B, 2013, 87, .	3.2	20

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163	Mirror Protected Dirac Fermions on a Weyl Semimetal NbP Surface. Physical Review Letters, 2017, 119, 196403.	7.8	20
164	Band Topology of Bismuth Quantum Films. Crystals, 2019, 9, 510.	2.2	20
165	Photocurrent-driven transient symmetry breaking in the Weyl semimetal TaAs. Nature Materials, 2022, 21, 62-66.	27.5	20
166	Topological phase transition and two-dimensional topological insulators in Ge-based thin films. Physical Review B, 2013, 88, .	3.2	19
167	Two distinct topological phases in the mixed-valence compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>YbB</mml:mtext><mml:mn>6</mml:mn></mml:msub> its differences from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>SmB</mml:mtext><mml:mn>6</mml:mn></mml:msub> Physical Review B, 2015, 91, .	3.2	19
168	Tunable spin helical Dirac quasiparticles on the surface of three-dimensional HgTe. Physical Review B, 2015, 92, .	3.2	19
169	Quasiparticle Interference on Cubic Perovskite Oxide Surfaces. Physical Review Letters, 2017, 119, 086801.	7.8	19
170	Quantum Phase Transition of Correlated Iron-Based Superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LiFe</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mn><m Physical Review Letters, 2019, 123, 217004.	7.8	19
171	Evolution of the Electronic Properties of ZrX₂ (X = S, Se, or Te) Thin Films under Varying Thickness. Journal of Physical Chemistry C, 2021, 125, 1134-1142.	3.1	19
172	Emerging two-dimensional silicene nanosheets for biomedical applications. Materials Today Nano, 2021, 16, 100132.	4.6	19
173	Quantum anomalous Hall insulator phase in asymmetrically functionalized germanene. Physical Review B, 2017, 96, .	3.2	18
174	Electronic structure of the metallic ground state ofLa2â^'2xSr1+2xMn2O7forxâ‰ˆ0.59and comparison withx=0.36,0.38compounds as revealed by angle-resolved photoemission. Physical Review B, 2008, 78, .	3.2	17
175	Saddle-like topological surface states on the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>T</mml:mi><mml:msup><mml:mi>T</mml:mi><mml:mn>		

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