

Sung-Kwan Mo

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180
papers

18,484
citations

55
h-index

135
g-index

194
ext. papers

21,421
ext. citations

9.6
avg, IF

6.14
L-index

#	Paper	IF	Citations
180	Experimental realization of a three-dimensional topological insulator, Bi ₂ Te ₃ . <i>Science</i> , 2009 , 325, 178-81	33.3	2650
179	Discovery of a three-dimensional topological Dirac semimetal, Na ₃ Bi. <i>Science</i> , 2014 , 343, 864-7	33.3	1516
178	Giant bandgap renormalization and excitonic effects in a monolayer transition metal dichalcogenide semiconductor. <i>Nature Materials</i> , 2014 , 13, 1091-5	27	1150
177	A stable three-dimensional topological Dirac semimetal Cd ₃ As ₂ . <i>Nature Materials</i> , 2014 , 13, 677-81	27	1010
176	Direct observation of the transition from indirect to direct bandgap in atomically thin epitaxial MoSe ₂ . <i>Nature Nanotechnology</i> , 2014 , 9, 111-5	28.7	943
175	Massive Dirac fermion on the surface of a magnetically doped topological insulator. <i>Science</i> , 2010 , 329, 659-62	33.3	913
174	Weyl semimetal phase in the non-centrosymmetric compound TaAs. <i>Nature Physics</i> , 2015 , 11, 728-732	16.2	649
173	Interfacial mode coupling as the origin of the enhancement of T(c) in FeSe films on SrTiO ₃ . <i>Nature</i> , 2014 , 515, 245-8	50.4	453
172	Symmetry-breaking orbital anisotropy observed for detwinned Ba(Fe _{1-x} Cox) ₂ As ₂ above the spin density wave transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6878-6883	11.5	409
171	Creation and control of a two-dimensional electron liquid at the bare SrTiO ₃ surface. <i>Nature Materials</i> , 2011 , 10, 114-8	27	401
170	Quantum spin Hall state in monolayer 1TRWTe ₂ . <i>Nature Physics</i> , 2017 , 13, 683-687	16.2	399
169	Characterization of collective ground states in single-layer NbSe ₂ . <i>Nature Physics</i> , 2016 , 12, 92-97	16.2	376
168	Ambipolar field effect in the ternary topological insulator (Bi(x)Sb(1-x)) ₂ Te ₃ by composition tuning. <i>Nature Nanotechnology</i> , 2011 , 6, 705-9	28.7	311
167	Signature of type-II Weyl semimetal phase in MoTe. <i>Nature Communications</i> , 2017 , 8, 13973	17.4	273
166	Fermi velocity engineering in graphene by substrate modification. <i>Scientific Reports</i> , 2012 , 2,	4.9	269
165	Electronic structure of the iron-based superconductor LaOFeP. <i>Nature</i> , 2008 , 455, 81-4	50.4	258
164	From a single-band metal to a high-temperature superconductor via two thermal phase transitions. <i>Science</i> , 2011 , 331, 1579-83	33.3	256

163	Magnetic Weyl semimetal phase in a Kagomé crystal. <i>Science</i> , 2019 , 365, 1282-1285	33.3	238
162	Full orbital calculation scheme for materials with strongly correlated electrons. <i>Physical Review B</i> , 2005 , 71,	3.3	233
161	Evolution of the Fermi surface of Weyl semimetals in the transition metal pnictide family. <i>Nature Materials</i> , 2016 , 15, 27-31	27	202
160	Phase competition in trisected superconducting dome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 18332-7	11.5	194
159	Single Dirac cone topological surface state and unusual thermoelectric property of compounds from a new topological insulator family. <i>Physical Review Letters</i> , 2010 , 105, 266401	7.4	167
158	Observation of temperature-induced crossover to an orbital-selective Mott phase in $A(x)Fe(2-y)Se_2$ ($A=K, Rb$) superconductors. <i>Physical Review Letters</i> , 2013 , 110, 067003	7.4	158
157	Charge density wave order in 1D mirror twin boundaries of single-layer $MoSe_2$. <i>Nature Physics</i> , 2016 , 12, 751-756	16.2	156
156	Charge density wave transition in single-layer titanium diselenide. <i>Nature Communications</i> , 2015 , 6, 8943	17.4	154
155	Subband structure of a two-dimensional electron gas formed at the polar surface of the strong spin-orbit perovskite $KTaO_3$. <i>Physical Review Letters</i> , 2012 , 108, 117602	7.4	139
154	Prominent quasiparticle peak in the photoemission spectrum of the metallic phase of V_2O_3 . <i>Physical Review Letters</i> , 2003 , 90, 186403	7.4	130
153	Unconventional electronic reconstruction in undoped $(Ba,Sr)Fe_2As_2$ across the spin density wave transition. <i>Physical Review B</i> , 2009 , 80,	3.3	124
152	Quasiparticle dynamics and spin-orbital texture of the $SrTiO_3$ two-dimensional electron gas. <i>Nature Communications</i> , 2014 , 5, 3414	17.4	120
151	Identifying substitutional oxygen as a prolific point defect in monolayer transition metal dichalcogenides. <i>Nature Communications</i> , 2019 , 10, 3382	17.4	117
150	Electronic Structure, Surface Doping, and Optical Response in Epitaxial WSe_2 Thin Films. <i>Nano Letters</i> , 2016 , 16, 2485-91	11.5	111
149	Probing the role of interlayer coupling and coulomb interactions on electronic structure in few-layer $MoSe_2$ nanostructures. <i>Nano Letters</i> , 2015 , 15, 2594-9	11.5	110
148	Electronic structure of a quasi-freestanding MoS_2 monolayer. <i>Nano Letters</i> , 2014 , 14, 1312-6	11.5	110
147	Observation of universal strong orbital-dependent correlation effects in iron chalcogenides. <i>Nature Communications</i> , 2015 , 6, 7777	17.4	110
146	Electronic structure of the $BaFe_2As_2$ family of iron-pnictide superconductors. <i>Physical Review B</i> , 2009 , 80,	3.3	110

- 145 Mapping the orbital wavefunction of the surface states in three-dimensional topological insulators. *Nature Physics*, **2013**, 9, 499-504 16.2 92
- 144 ARPES studies of cuprate Fermiology: superconductivity, pseudogap and quasiparticle dynamics. *New Journal of Physics*, **2010**, 12, 105008 2.9 91
- 143 Energy gaps in the failed high-T_c superconductor La_{1.875}Ba_{0.125}CuO₄. *Nature Physics*, **2009**, 5, 119-123 16.2 90
- 142 Unique Gap Structure and Symmetry of the Charge Density Wave in Single-Layer VSe₂. *Physical Review Letters*, **2018**, 121, 196402 7.4 90
- 141 Electric-field-tuned topological phase transition in ultrathin NaBi. *Nature*, **2018**, 564, 390-394 50.4 85
- 140 Observation of unusual topological surface states in half-Heusler compounds LnPtBi (Ln=Lu, Y). *Nature Communications*, **2016**, 7, 12924 17.4 77
- 139 Persistent Charge-Density-Wave Order in Single-Layer TaSe. *Nano Letters*, **2018**, 18, 689-694 11.5 72
- 138 Elemental Topological Dirac Semimetal: $\sqrt{3}\times\sqrt{3}$ on InSb(111). *Physical Review Letters*, **2017**, 118, 146402 7.4 71
- 137 Negative electronic compressibility and tunable spin splitting in WSe₂. *Nature Nanotechnology*, **2015**, 10, 1043-7 28.7 70
- 136 Gapped electronic structure of epitaxial stanene on InSb(111). *Physical Review B*, **2018**, 97, 33 68
- 135 Observation of topologically protected states at crystalline phase boundaries in single-layer WSe. *Nature Communications*, **2018**, 9, 3401 17.4 68
- 134 Superconducting graphene sheets in CaC₆ enabled by phonon-mediated interband interactions. *Nature Communications*, **2014**, 5, 3493 17.4 66
- 133 Superconducting Gap Anisotropy in Monolayer FeSe Thin Film. *Physical Review Letters*, **2016**, 117, 117001 17.4 66
- 132 Emergence of charge density waves and a pseudogap in single-layer TiTe. *Nature Communications*, **2017**, 8, 516 17.4 63
- 131 ARPES studies of the electronic structure of LaOFe(P, As). *Physica C: Superconductivity and Its Applications*, **2009**, 469, 452-458 1.3 63
- 130 Discovery of a single topological Dirac fermion in the strong inversion asymmetric compound BiTeCl. *Nature Physics*, **2013**, 9, 704-708 16.2 59
- 129 Static versus dynamical mean-field theory of Mott antiferromagnets. *Physical Review B*, **2006**, 73, 33 59
- 128 Distinct Electronic Structure for the Extreme Magnetoresistance in YSb. *Physical Review Letters*, **2016**, 117, 267201 7.4 58

127	Strong correlations and orbital texture in single-layer 1T-TaSe ₂ . <i>Nature Physics</i> , 2020 , 16, 218-224	16.2	56
126	Evolution of the Valley Position in Bulk Transition-Metal Chalcogenides and Their Monolayer Limit. <i>Nano Letters</i> , 2016 , 16, 4738-45	11.5	56
125	Controlling the Magnetic Anisotropy of the van der Waals Ferromagnet FeGeTe through Hole Doping. <i>Nano Letters</i> , 2020 , 20, 95-100	11.5	55
124	Direct observation of bulk charge modulations in optimally doped Bi _{1.5} Pb _{0.6} Sr _{1.54} CaCu ₂ O ₈ + δ . <i>Physical Review B</i> , 2014 , 89,	3.3	54
123	New Luttinger-liquid physics from photoemission on Li _{0.9} M _{0.6} O ₁₇ . <i>Physical Review Letters</i> , 2006 , 96, 196403	7.4	54
122	Distinctive orbital anisotropy observed in the nematic state of a FeSe thin film. <i>Physical Review B</i> , 2016 , 94,	3.3	54
121	Three-dimensional nature of the band structure of ZrTe ₅ measured by high-momentum-resolution photoemission spectroscopy. <i>Physical Review B</i> , 2017 , 95,	3.3	53
120	Rapid change of superconductivity and electron-phonon coupling through critical doping in Bi-2212. <i>Science</i> , 2018 , 362, 62-65	33.3	52
119	Strong energy-momentum dispersion of phonon-dressed carriers in the lightly doped band insulator SrTiO ₃ . <i>New Journal of Physics</i> , 2010 , 12, 023004	2.9	51
118	Photoemission study of (V _{1-x} M _x) ₂ O ₃ (M=Cr,Ti). <i>Physical Review B</i> , 2006 , 74,	3.3	50
117	Role of joule heating effect and bulk-surface phases in voltage-driven metal-insulator transition in VO ₂ crystal. <i>Applied Physics Letters</i> , 2013 , 103, 061902	3.4	48
116	Dimensional Effects on the Charge Density Waves in Ultrathin Films of TiSe. <i>Nano Letters</i> , 2016 , 16, 6331-6336	6.3	46
115	Measurement of coherent polarons in the strongly coupled antiferromagnetically ordered iron-chalcogenide Fe _{1.02} Te using angle-resolved photoemission spectroscopy. <i>Physical Review Letters</i> , 2013 , 110, 037003	7.4	41
114	Inequivalence of Single-Particle and Population Lifetimes in a Cuprate Superconductor. <i>Physical Review Letters</i> , 2015 , 114, 247001	7.4	40
113	Orbital character and electron correlation effects on two- and three-dimensional Fermi surfaces in KFe ₂ As ₂ revealed by angle-resolved photoemission spectroscopy. <i>Frontiers in Physics</i> , 2014 , 2,	3.9	37
112	Controlling the carriers of topological insulators by bulk and surface doping. <i>Semiconductor Science and Technology</i> , 2012 , 27, 124002	1.8	36
111	Ubiquitous strong electron-phonon coupling at the interface of FeSe/SrTiO. <i>Nature Communications</i> , 2017 , 8, 14468	17.4	35
110	Spectroscopic evidence for negative electronic compressibility in a quasi-three-dimensional spin-orbit correlated metal. <i>Nature Materials</i> , 2015 , 14, 577-82	27	35

109	Observation of nodal line in non-symmorphic topological semimetal InBi. <i>New Journal of Physics</i> , 2017 , 19, 065007	2.9	35
108	Nonpercolative metal-insulator transition in VO ₂ single crystals. <i>Physical Review B</i> , 2011 , 84,	3.3	34
107	Experimental observation of incoherent-coherent crossover and orbital-dependent band renormalization in iron chalcogenide superconductors. <i>Physical Review B</i> , 2015 , 92,	3.3	33
106	Observation of the intrinsic bandgap behaviour in as-grown epitaxial twisted graphene. <i>Nature Communications</i> , 2015 , 6, 5677	17.4	33
105	Oscillatory surface dichroism of the insulating topological insulator Bi ₂ Te ₂ Se. <i>Physical Review B</i> , 2013 , 88,	3.3	33
104	Nematic Energy Scale and the Missing Electron Pocket in FeSe. <i>Physical Review X</i> , 2019 , 9,	9.1	33
103	Origin of the low critical observing temperature of the quantum anomalous Hall effect in V-doped (Bi, Sb) ₂ Te ₃ film. <i>Scientific Reports</i> , 2016 , 6, 32732	4.9	32
102	Molecular beam epitaxial growth of a three-dimensional topological Dirac semimetal Na ₃ Bi. <i>Applied Physics Letters</i> , 2014 , 105, 031901	3.4	31
101	Superconductivity below 20 K in heavily electron-doped surface layer of FeSe bulk crystal. <i>Nature Communications</i> , 2016 , 7, 11116	17.4	31
100	Filling of the mott-hubbard gap in the high temperature photoemission spectrum of (V _{0.972} Cr _{0.028}) ₂ O ₃ . <i>Physical Review Letters</i> , 2004 , 93, 076404	7.4	30
99	Electronic structure of monolayer 1T'-MoTe ₂ grown by molecular beam epitaxy. <i>APL Materials</i> , 2018 , 6, 026601	5.7	30
98	Band-Resolved Imaging of Photocurrent in a Topological Insulator. <i>Physical Review Letters</i> , 2019 , 122, 167401	7.4	29
97	Dynamic competition between spin-density wave order and superconductivity in underdoped Ba(1-x)K(x)Fe ₂ As ₂ . <i>Nature Communications</i> , 2014 , 5, 3711	17.4	29
96	Raman and fluorescence characteristics of resonant inelastic X-ray scattering from doped superconducting cuprates. <i>Scientific Reports</i> , 2016 , 6, 19657	4.9	29
95	Dimensionality-Mediated Semimetal-Semiconductor Transition in Ultrathin PtTe ₂ Films. <i>Physical Review Letters</i> , 2020 , 124, 036402	7.4	28
94	Hidden itinerant-spin phase in heavily overdoped La(2-x)Sr(x)CuO ₄ superconductors revealed by dilute Fe doping: a combined neutron scattering and angle-resolved photoemission study. <i>Physical Review Letters</i> , 2011 , 107, 127002	7.4	26
93	Electronic structure of the metallic antiferromagnet PdCrO ₂ measured by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2013 , 88,	3.3	25
92	Evidence for the constancy of U in the Mott transition of V ₂ O ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	25

91	Angle-resolved photoemission spectroscopy for the study of two-dimensional materials. <i>Nano Convergence</i> , 2017 , 4,	9.2	24
90	Hidden Order and Dimensional Crossover of the Charge Density Waves in TiSe. <i>Scientific Reports</i> , 2016 , 6, 37910	4.9	24
89	Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. <i>Physical Review Letters</i> , 2019 , 123, 066402	7.4	23
88	Stripes developed at the strong limit of nematicity in FeSe film. <i>Nature Physics</i> , 2017 , 13, 957-961	16.2	23
87	Emerging coherence with unified energy, temperature, and lifetime scale in heavy fermion YbRh ₂ Si ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	23
86	Spin-resolved photoemission study of epitaxially grown MoSe ₂ and WSe ₂ thin films. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 454001	1.8	22
85	Experimental Observation of Hidden Berry Curvature in Inversion-Symmetric Bulk 2H-WSe ₂ . <i>Physical Review Letters</i> , 2018 , 121, 186401	7.4	22
84	Quantum critical scaling in the single-particle spectrum of a novel anisotropic metal. <i>Physical Review Letters</i> , 2009 , 103, 136401	7.4	21
83	Extracting the spectral function of the cuprates by a full two-dimensional analysis: Angle-resolved photoemission spectra of Bi ₂ Sr ₂ CuO ₆ . <i>Physical Review B</i> , 2008 , 77,	3.3	21
82	Magnetic excitations and phonons simultaneously studied by resonant inelastic x-ray scattering in optimally doped Bi _{1.5} Pb _{0.55} Sr _{1.6} La _{0.4} CuO ₆ . <i>Physical Review B</i> , 2015 , 92,	3.3	20
81	Electronic structure of the chiral helimagnet and 3d-intercalated transition metal dichalcogenide Cr _{1/3} NbS ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	19
80	Interface ferroelectric transition near the gap-opening temperature in a single-unit-cell FeSe film grown on Nb-Doped SrTiO ₃ substrate. <i>Physical Review Letters</i> , 2015 , 114, 037002	7.4	19
79	Anomalous change in dielectric constant of CaCu ₃ Ti ₄ O ₁₂ under violet-to-ultraviolet irradiation. <i>Applied Physics Letters</i> , 2013 , 102, 202903	3.4	19
78	Manipulating Topological Domain Boundaries in the Single-Layer Quantum Spin Hall Insulator 1TRWSe. <i>Nano Letters</i> , 2019 , 19, 5634-5639	11.5	18
77	Robust topological surface state against direct surface contamination. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 891-894	3	17
76	Fermi arcs vs. Fermi pockets in electron-doped perovskite iridates. <i>Scientific Reports</i> , 2015 , 5, 8533	4.9	17
75	Broken relationship between superconducting pairing interaction and electronic dispersion kinks in La _{2-x} Sr _x CuO ₄ measured by angle-resolved photoemission. <i>Physical Review B</i> , 2013 , 88,	3.3	17
74	Doping dependence of the (π,π) shadow band in La-based cuprates studied by angle-resolved photoemission spectroscopy. <i>New Journal of Physics</i> , 2011 , 13, 013031	2.9	17

73	Detailed band structure of twinned and detwinned BaFe ₂ As ₂ studied with angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2019 , 99,	3-3	17
72	Temperature-Dependent Electron-Electron Interaction in Graphene on SrTiO. <i>Nano Letters</i> , 2017 , 17, 5914-5918	11.5	15
71	Luttinger liquid angle-resolved photoemission line shapes from samples of Li _{0.9} Mo ₆ O ₁₇ grown by the temperature-gradient-flux technique. <i>Physical Review B</i> , 2004 , 70,	3-3	15
70	Visualization of Multifractal Superconductivity in a Two-Dimensional Transition Metal Dichalcogenide in the Weak-Disorder Regime. <i>Nano Letters</i> , 2020 , 20, 5111-5118	11.5	14
69	Bandwidth and Electron Correlation-Tuned Superconductivity in Rb _{{0.8}Fe_{2}(Se_{1-z}S_{z})_{2}} . <i>Physical Review Letters</i> , 2015 , 115, 256403	7-4	14
68	Case for bulk nature of spectroscopic Luttinger liquid signatures observed in angle-resolved photoemission spectra of Li _{0.9} Mo ₆ O ₁₇ . <i>Physical Review B</i> , 2006 , 74,	3-3	14
67	How Indium Nitride Senses Water. <i>Nano Letters</i> , 2017 , 17, 7339-7344	11.5	13
66	Evidence for quantum spin liquid behaviour in single-layer 1T-TaSe ₂ from scanning tunnelling microscopy. <i>Nature Physics</i> ,	16.2	13
65	Enhanced superconductivity in surface-electron-doped iron pnictide Ba(FeCo)As. <i>Nature Materials</i> , 2016 , 15, 1233-1236	27	12
64	Superconductivity distorted by the coexisting pseudogap in the antinodal region of Bi _{1.5} Pb _{0.55} Sr _{1.6} La _{0.4} CuO ₆ + δ A photon-energy-dependent angle-resolved photoemission study. <i>Physical Review B</i> , 2012 , 86,	3-3	12
63	Strong spin-orbit coupling and Dirac nodal lines in the three-dimensional electronic structure of metallic rutile IrO ₂ . <i>Physical Review B</i> , 2019 , 99,	3-3	11
62	Electronic Band Structure of In-Plane Ferroelectric van der Waals δ -In ₂ Se ₃ . <i>ACS Applied Electronic Materials</i> , 2020 , 2, 213-219	4	11
61	Observation of the topological surface state in the nonsymmorphic topological insulator KHgSb. <i>Physical Review B</i> , 2017 , 96,	3-3	11
60	Monolayer charge-neutral graphene on platinum with extremely weak electron-phonon coupling. <i>Physical Review B</i> , 2015 , 92,	3-3	11
59	Electronic structure of BaNi ₂ P ₂ observed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2014 , 89,	3-3	11
58	Absence of X-Point Band Overlap in Divalent Hexaborides and Variability of the Surface Chemical Potential. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 1-4	1.5	11
57	Magnetic effects in sulfur-decorated graphene. <i>Scientific Reports</i> , 2016 , 6, 21460	4-9	11
56	Selenium capped monolayer NbSe ₂ for two-dimensional superconductivity studies. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2396-2399	1-3	11

55	Direct observation of strain-induced orbital valence band splitting in HfSe ₂ by sodium intercalation. <i>Physical Review B</i> , 2018 , 97,	3.3	10
54	Mott localization in a pure stripe antiferromagnet Rb _{1-x} Fe _{1.5x} B ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	10
53	Observing electronic structures on ex-situ grown topological insulator thin films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013 , 7, 130-132	2.5	10
52	High-Quality SnSe ₂ Single Crystals: Electronic and Thermoelectric Properties. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10787-10792	6.1	10
51	Progress in Epitaxial Thin-Film Na Bi as a Topological Electronic Material. <i>Advanced Materials</i> , 2021 , 33, e2005897	24	10
50	Lifshitz Transitions Induced by Temperature and Surface Doping in Type-II Weyl Semimetal Candidate Td-WTe ₂ . <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1700209	2.5	9
49	Dehybridization of f and d states in the heavy-fermion system YbRh ₂ Si ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	9
48	Electron-phonon coupling in a system with broken symmetry: Surface of Be(0001). <i>Physical Review B</i> , 2015 , 92,	3.3	9
47	Interaction of itinerant electrons and spin fluctuations in electron-doped cuprates. <i>Physical Review B</i> , 2013 , 87,	3.3	9
46	ARPES study of X-point band overlaps in LaB ₆ and SmB ₆ [contrast to SrB ₆ and EuB ₆]. <i>Physica B: Condensed Matter</i> , 2002 , 312-313, 668-669	2.8	9
45	Nearly-free-electron system of monolayer Na on the surface of single-crystal HfSe ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	9
44	Spectral Evidence for Emergent Order in Ba _{1-x} Na _x Fe ₂ As ₂ . <i>Physical Review Letters</i> , 2018 , 121, 127001	7.4	9
43	Emergence of Kondo Resonance in Graphene Intercalated with Cerium. <i>Nano Letters</i> , 2018 , 18, 3661-3666	11.5	9
42	High-energy anomaly in Nd _{2-x} CexCuO ₄ investigated by angle-resolved photoemission spectroscopy and quantum Monte Carlo simulations. <i>Physical Review B</i> , 2011 , 83,	3.3	8
41	Anisotropic Dirac Fermions in BaMnBi and BaZnBi. <i>Scientific Reports</i> , 2018 , 8, 15322	4.9	8
40	Large thermopower from dressed quasiparticles in the layered cobaltates and rhodates. <i>Physical Review B</i> , 2017 , 96,	3.3	7
39	Observation of topological surface states and strong electron/hole imbalance in extreme magnetoresistance compound LaBi. <i>Physical Review Materials</i> , 2018 , 2,	3.2	7
38	Crossover from 2D Ferromagnetic Insulator to Wide Band Gap Quantum Anomalous Hall Insulator in Ultrathin MnBiTe. <i>ACS Nano</i> , 2021 ,	16.7	7

37	Soft X-ray angle-resolved photoemission with micro-positioning techniques for metallic VO ₂ . <i>Journal of Synchrotron Radiation</i> , 2015 , 22, 776-80	2.4	6
36	Hole doping, hybridization gaps, and electronic correlation in graphene on a platinum substrate. <i>Nanoscale</i> , 2017 , 9, 11498-11503	7.7	6
35	Possible role of bonding angle and orbital mixing in iron pnictide superconductivity: Comparative electronic structure studies of LiFeAs and Sr ₂ VO ₃ FeAs. <i>Physical Review B</i> , 2015 , 92,	3.3	6
34	Hidden one-dimensional electronic structure and non-Fermi-liquid angle-resolved photoemission line shapes of FeMo ₄ O ₁₁ . <i>Physical Review B</i> , 2005 , 72,	3.3	6
33	Spectroscopic Evidence for Electron-Boson Coupling in Electron-Doped Sr ₂ IrO ₄ . <i>Physical Review Letters</i> , 2019 , 123, 216402	7.4	6
32	Interplay of negative electronic compressibility and capacitance enhancement in lightly-doped metal oxide BiLaFeO by quantum capacitance model. <i>Scientific Reports</i> , 2020 , 10, 5153	4.9	5
31	Monochromatic Photocathodes from Graphene-Stabilized Diamondoids. <i>Nano Letters</i> , 2018 , 18, 1099-1103	3.5	5
30	ARPES study of the epitaxially grown topological crystalline insulator SnTe(111). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017 , 219, 35-40	1.7	5
29	New Luttinger-liquid physics from angle-resolved photoemission on a paradigm material. <i>Physica B: Condensed Matter</i> , 2008 , 403, 1490-1493	2.8	4
28	Two aspects of the Mott-Hubbard transition in Cr-doped. <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 642-644	2.8	4
27	Experimental and theoretical electronic structure and symmetry effects in ultrathin NbSe ₂ films. <i>Physical Review Materials</i> , 2018 , 2,	3.2	4
26	Charge Instability in Single-Layer TiTe ₂ Mediated by van der Waals Bonding to Substrates. <i>Physical Review Letters</i> , 2020 , 125, 176405	7.4	4
25	Inherited weak topological insulator signatures in the topological hourglass semimetal Nb ₃ XTe ₆ (X=Si, Ge). <i>Physical Review B</i> , 2021 , 103,	3.3	4
24	Large magnetic gap in a designer ferromagnet-topological insulator-ferromagnet heterostructure.. <i>Advanced Materials</i> , 2022 , e2107520	2.4	4
23	Three interaction energy scales in the single-layer high-T _c cuprate HgBa ₂ CuO ₄ +δ. <i>Physical Review B</i> , 2020 , 102,	3.3	3
22	Metallic surface states in a correlated d-electron topological Kondo insulator candidate FeSb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 15409-15413	11.5	3
21	Electronic structure and spatial inhomogeneity of iron-based superconductor FeS. <i>Chinese Physics B</i> , 2020 , 29, 047401	1.2	3
20	Metal insulator transition characteristics of macro-size single domain VO ₂ crystals. <i>Phase Transitions</i> , 2013 , 86, 941-946	1.3	3

19	Distortion of V 3d line shape due to Auger emission in resonant photoemission spectra of (V _{1-x} Cr _x) ₂ O ₃ at the V 2p- π^* absorption edge. <i>Physica B: Condensed Matter</i> , 2004 , 351, 235-239	2.8	3
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