

Qi-Kun Xue

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154
papers

6,322
citations

44
h-index

76
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166
ext. papers

7,671
ext. citations

8.6
avg, IF

5.65
L-index

#	Paper	IF	Citations
154	Superconductivity above 100 K in single-layer FeSe films on doped SrTiO ₃ . <i>Nature Materials</i> , 2015 , 14, 285-9	27	770
153	Discovery of robust in-plane ferroelectricity in atomic-thick SnTe. <i>Science</i> , 2016 , 353, 274-8	33.3	470
152	Experimental detection of a Majorana mode in the core of a magnetic vortex inside a topological insulator-superconductor Bi(2)Te(3)/NbSe(2) heterostructure. <i>Physical Review Letters</i> , 2015 , 114, 017001	7.4	317
151	Phase separation and magnetic order in K-doped iron selenide superconductor. <i>Nature Physics</i> , 2012 , 8, 126-130	16.2	265
150	Electron interaction-driven insulating ground state in Bi ₂ Se ₃ topological insulators in the two-dimensional limit. <i>Physical Review B</i> , 2011 , 83,	3.3	204
149	Oxygen vacancies: The origin of n-type conductivity in ZnO. <i>Physical Review B</i> , 2016 , 93,	3.3	166
148	Superconductivity in few-layer stanene. <i>Nature Physics</i> , 2018 , 14, 344-348	16.2	133
147	Experimental Observation of Topological Edge States at the Surface Step Edge of the Topological Insulator ZrTe ₅ . <i>Physical Review Letters</i> , 2016 , 116, 176803	7.4	126
146	Fully gapped topological surface states in Bi ₂ Se ₃ films induced by a d-wave high-temperature superconductor. <i>Nature Physics</i> , 2013 , 9, 621-625	16.2	121
145	Quantum Griffiths singularity of superconductor-metal transition in Ga thin films. <i>Science</i> , 2015 , 350, 542-5	33.3	115
144	Interface charge doping effects on superconductivity of single-unit-cell FeSe films on SrTiO ₃ substrates. <i>Physical Review B</i> , 2014 , 89,	3.3	104
143	High temperature superconducting FeSe films on SrTiO ₃ substrates. <i>Scientific Reports</i> , 2014 , 4, 6040	4.9	95
142	Ising Superconductivity and Quantum Phase Transition in Macro-Size Monolayer NbSe. <i>Nano Letters</i> , 2017 , 17, 6802-6807	11.5	94
141	Enhancing the Quantum Anomalous Hall Effect by Magnetic Codoping in a Topological Insulator. <i>Advanced Materials</i> , 2018 , 30, 1703062	24	93
140	Experimental observation of Dirac-like surface states and topological phase transition in Pb(1-x)Sn(x)Te(111) films. <i>Physical Review Letters</i> , 2014 , 112, 186801	7.4	91
139	Atomically smooth ultrathin films of topological insulator Sb ₂ Te ₃ . <i>Nano Research</i> , 2010 , 3, 874-880	10	91
138	Chemical-potential-dependent gap opening at the Dirac surface states of Bi ₂ Se ₃ induced by aggregated substitutional Cr atoms. <i>Physical Review Letters</i> , 2014 , 112, 056801	7.4	84

137	Observation of the Zero Hall Plateau in a Quantum Anomalous Hall Insulator. <i>Physical Review Letters</i> , 2015 , 115, 126801	7.4	78
136	Long range intrinsic ferromagnetism in two dimensional materials and dissipationless future technologies. <i>Applied Physics Reviews</i> , 2018 , 5, 041105	17.3	77
135	Topological Materials: Quantum Anomalous Hall System. <i>Annual Review of Condensed Matter Physics</i> , 2018 , 9, 329-344	19.7	75
134	Molecular beam epitaxy growth and scanning tunneling microscopy study of TiSe ₂ ultrathin films. <i>Physical Review B</i> , 2015 , 91,	3.3	74
133	Observation of Double-Dome Superconductivity in Potassium-Doped FeSe Thin Films. <i>Physical Review Letters</i> , 2016 , 116, 157001	7.4	73
132	Quantum anomalous Hall effect. <i>National Science Review</i> , 2014 , 1, 38-48	10.8	72
131	Dimensional Crossover-Induced Topological Hall Effect in a Magnetic Topological Insulator. <i>Physical Review Letters</i> , 2017 , 119, 176809	7.4	69
130	Observation of Anderson localization in ultrathin films of three-dimensional topological insulators. <i>Physical Review Letters</i> , 2015 , 114, 216601	7.4	65
129	Molecular Beam Epitaxy-Grown SnSe in the Rock-Salt Structure: An Artificial Topological Crystalline Insulator Material. <i>Advanced Materials</i> , 2015 , 27, 4150-4	24	64
128	Detection of a superconducting phase in a two-atom layer of hexagonal Ga film grown on semiconducting GaN(0001). <i>Physical Review Letters</i> , 2015 , 114, 107003	7.4	64
127	High-Temperature Superconductivity in Single-Unit-Cell FeSe Films on Anatase TiO ₂ (001). <i>Physical Review Letters</i> , 2016 , 117, 067001	7.4	64
126	Electronic evidence of an insulator-superconductor crossover in single-layer FeSe/SrTiO ₃ films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18501-6	11.5	62
125	Interface-enhanced electron-phonon coupling and high-temperature superconductivity in potassium-coated ultrathin FeSe films on SrTiO ₃ . <i>Physical Review B</i> , 2016 , 93,	3.3	58
124	Enhanced Spontaneous Polarization in Ultrathin SnTe Films with Layered Antipolar Structure. <i>Advanced Materials</i> , 2019 , 31, e1804428	24	57
123	Role of SrTiO ₃ phonon penetrating into thin FeSe films in the enhancement of superconductivity. <i>Physical Review B</i> , 2016 , 94,	3.3	55
122	Power-law decay of standing waves on the surface of topological insulators. <i>Physical Review B</i> , 2011 , 84,	3.3	53
121	Quantum and classical magnetoresistance in ambipolar topological insulator transistors with gate-tunable bulk and surface conduction. <i>Scientific Reports</i> , 2014 , 4, 4859	4.9	52
120	Ultrafast Dynamics Evidence of High Temperature Superconductivity in Single Unit Cell FeSe on SrTiO ₃ . <i>Physical Review Letters</i> , 2016 , 116, 107001	7.4	52

119	Dichotomy of the electronic structure and superconductivity between single-layer and double-layer FeSe/SrTiO ₃ films. <i>Nature Communications</i> , 2014 , 5, 5047	17.4	52
118	Superconductivity in Ca-intercalated epitaxial graphene on silicon carbide. <i>Applied Physics Letters</i> , 2013 , 103, 062601	3.4	51
117	Thickness Dependence of the Quantum Anomalous Hall Effect in Magnetic Topological Insulator Films. <i>Advanced Materials</i> , 2016 , 28, 6386-90	24	50
116	Realizing an Epitaxial Decorated Stanene with an Insulating Bandgap. <i>Advanced Functional Materials</i> , 2018 , 28, 1802723	15.6	49
115	In situ Raman spectroscopy of topological insulator Bi ₂ Te ₃ films with varying thickness. <i>Nano Research</i> , 2013 , 6, 688-692	10	46
114	Crossover between weak antilocalization and weak localization of bulk states in ultrathin Bi ₂ Se ₃ films. <i>Scientific Reports</i> , 2014 , 4, 5817	4.9	45
113	Origin of charge transfer and enhanced electron-phonon coupling in single unit-cell FeSe films on SrTiO ₃ . <i>Nature Communications</i> , 2017 , 8, 214	17.4	45
112	Discovery of Superconductivity in 2M WS with Possible Topological Surface States. <i>Advanced Materials</i> , 2019 , 31, e1901942	24	44
111	Evidence of anisotropic Majorana bound states in 2M-WS ₂ . <i>Nature Physics</i> , 2019 , 15, 1046-1051	16.2	44
110	Type-II Ising pairing in few-layer stanene. <i>Science</i> , 2020 , 367, 1454-1457	33.3	42
109	Electrically tuned magnetic order and magnetoresistance in a topological insulator. <i>Nature Communications</i> , 2014 , 5, 4915	17.4	42
108	Superconductivity dichotomy in K-coated single and double unit cell FeSe films on SrTiO ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	39
107	Observation of unconventional anomalous Hall effect in epitaxial CrTe thin films. <i>Nano Research</i> , 2018 , 11, 3116-3121	10	38
106	Gating the charge state of single Fe dopants in the topological insulator Bi ₂ Se ₃ with a scanning tunneling microscope. <i>Physical Review B</i> , 2012 , 86,	3.3	37
105	Selective adsorption and electronic interaction of F16CuPc on epitaxial graphene. <i>Physical Review B</i> , 2010 , 82,	3.3	36
104	Two-dimensional superconductivity and topological states in PdTe ₂ thin films. <i>Physical Review Materials</i> , 2018 , 2,	3.2	36
103	Interface-enhanced high-temperature superconductivity in single-unit-cell FeTe _{1-x} Se _x films on SrTiO ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	35
102	Superconductor-Insulator Transitions in Exfoliated BiSrCaCuO Flakes. <i>Nano Letters</i> , 2018 , 18, 5660-5665	11.5	35

101	Anomalous magnetoresistance oscillations and enhanced superconductivity in single-crystal Pb nanobelts. <i>Applied Physics Letters</i> , 2008 , 92, 233119	3.4	35
100	Electronic States and Magnetic Response of MnBiTe by Scanning Tunneling Microscopy and Spectroscopy. <i>Nano Letters</i> , 2020 , 20, 3271-3277	11.5	34
99	Direct evidence of ferromagnetism in a quantum anomalous Hall system. <i>Nature Physics</i> , 2018 , 14, 791-796	16.2	34
98	Disorder-induced multifractal superconductivity in monolayer niobium dichalcogenides. <i>Nature Physics</i> , 2019 , 15, 904-910	16.2	32
97	Enhanced electron dephasing in three-dimensional topological insulators. <i>Nature Communications</i> , 2017 , 8, 16071	17.4	30
96	From an atomic layer to the bulk: Low-temperature atomistic structure and ferroelectric and electronic properties of SnTe films. <i>Physical Review B</i> , 2019 , 99,	3.3	28
95	Disentangling the magnetoelectric and thermoelectric transport in topological insulator thin films. <i>Physical Review B</i> , 2015 , 91,	3.3	28
94	Anisotropic vortex lattice structures in the FeSe superconductor. <i>Physical Review B</i> , 2012 , 85,	3.3	28
93	Band Engineering of Dirac Surface States in Topological-Insulator-Based van der Waals Heterostructures. <i>Physical Review Letters</i> , 2015 , 115, 136801	7.4	27
92	Imaging the electron-boson coupling in superconducting FeSe films using a scanning tunneling microscope. <i>Physical Review Letters</i> , 2014 , 112, 057002	7.4	26
91	Nanoelectronics: A topological twist for transistors. <i>Nature Nanotechnology</i> , 2011 , 6, 197-8	28.7	26
90	Observation of interface superconductivity in a SnSe ₂ /epitaxial graphene van der Waals heterostructure. <i>Physical Review B</i> , 2018 , 98,	3.3	26
89	Type-II Ising Superconductivity and Anomalous Metallic State in Macro-Size Ambient-Stable Ultrathin Crystalline Films. <i>Nano Letters</i> , 2020 , 20, 5728-5734	11.5	25
88	Gate-Variable Mid-Infrared Optical Transitions in a (BiSb)Te Topological Insulator. <i>Nano Letters</i> , 2017 , 17, 255-260	11.5	23
87	Stripes developed at the strong limit of nematicity in FeSe film. <i>Nature Physics</i> , 2017 , 13, 957-961	16.2	23
86	Mapping the Electronic Structure of Each Ingredient Oxide Layer of High-T _c Cuprate Superconductor Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review Letters</i> , 2015 , 115, 237002	7.4	21
85	Charge ordering in stoichiometric FeTe: Scanning tunneling microscopy and spectroscopy. <i>Physical Review B</i> , 2016 , 93,	3.3	19
84	Ferromagnetism in vanadium-doped Bi ₂ Se ₃ topological insulator films. <i>APL Materials</i> , 2017 , 5, 076106	5.7	19

83	Interplay between quantum size effect and strain effect on growth of nanoscale metal thin films. <i>Physical Review B</i> , 2012 , 86,	3-3	19
82	Spatially extended underscreened Kondo state from collective molecular spin. <i>Physical Review B</i> , 2015 , 92,	3-3	18
81	Mass acquisition of Dirac fermions in magnetically doped topological insulator Sb ₂ Te ₃ films. <i>Physical Review B</i> , 2015 , 92,	3-3	18
80	Wavevector-dependent quantum-size effect in electron decay length at Pb thin film surfaces. <i>Applied Physics Letters</i> , 2008 , 93, 093105	3-4	18
79	Standing Waves Induced by Valley-Mismatched Domains in Ferroelectric SnTe Monolayers. <i>Physical Review Letters</i> , 2019 , 122, 206402	7-4	17
78	Spontaneous formation of Mn nanocluster arrays on a Si(111)√7×√7 surface observed with STM. <i>Physical Review B</i> , 2008 , 78,	3-3	17
77	Photoinduced Inverse Spin Hall Effect of Surface States in the Topological Insulator BiSe. <i>Nano Letters</i> , 2017 , 17, 7878-7885	11.5	16
76	Extensive impurity-scattering study on the pairing symmetry of monolayer FeSe films on SrTiO ₃ . <i>Physical Review B</i> , 2018 , 97,	3-3	15
75	Visualization of Dopant Oxygen Atoms in a Bi ₂ Sr ₂ CaCu ₂ O ₈ +δ Superconductor. <i>Advanced Functional Materials</i> , 2019 , 29, 1903843	15.6	13
74	Magnetic quantum phase transition in Cr-doped Bi(SeTe) driven by the Stark effect. <i>Nature Nanotechnology</i> , 2017 , 12, 953-957	28.7	13
73	Topological crystalline insulator PbxSn _{1-x} Te thin films on SrTiO ₃ (001) with tunable Fermi levels. <i>APL Materials</i> , 2014 , 2, 056106	5-7	13
72	Scattering focusing and localized surface plasmons in a single Ag nanoring. <i>Applied Physics Letters</i> , 2010 , 97, 261107	3-4	13
71	Anomalous Hall effect and spin fluctuations in ionic liquid gated SrCoO ₃ thin films. <i>Physical Review B</i> , 2018 , 97,	3-3	13
70	Crystallinity of tellurium capping and epitaxy of ferromagnetic topological insulator films on SrTiO ₃ . <i>Scientific Reports</i> , 2015 , 5, 11595	4-9	12
69	Transport properties of Sb ₂ Te ₃ /Bi ₂ Te ₃ topological insulator heterostructures. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013 , 7, 142-144	2.5	12
68	Heavily Cr-doped (Bi,Sb) ₂ Te ₃ as a ferromagnetic insulator with electrically tunable conductivity. <i>APL Materials</i> , 2016 , 4, 086101	5-7	12
67	Hexagonal Monolayer Ice without Shared Edges. <i>Physical Review Letters</i> , 2018 , 121, 256001	7-4	12
66	Probing Dirac fermion dynamics in topological insulator Bi ₂ Se ₃ films with a scanning tunneling microscope. <i>Physical Review Letters</i> , 2015 , 114, 176602	7-4	11

65	Field-effect modulation of anomalous Hall effect in diluted ferromagnetic topological insulator epitaxial films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016 , 59, 1	3.6	11
64	Band structure and charge doping effects of the potassium-adsorbed FeSe/SrTiO ₃ system. <i>Physical Review B</i> , 2016 , 93,	3.3	11
63	Superconductivity in a single-layer alkali-doped FeSe: A weakly coupled two-leg ladder system. <i>Physical Review B</i> , 2013 , 88,	3.3	11
62	Electronic structure of the ingredient planes of the cuprate superconductor Bi ₂ Sr ₂ CuO ₆ + δ A comparison study with Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ <i>Physical Review B</i> , 2016 , 93,	3.3	10
61	Edge States at Nematic Domain Walls in FeSe Films. <i>Nano Letters</i> , 2018 , 18, 7176-7180	11.5	10
60	Dimensional Crossover and Topological Nature of the Thin Films of a Three-Dimensional Topological Insulator by Band Gap Engineering. <i>Nano Letters</i> , 2019 , 19, 4627-4633	11.5	9
59	Interference evidence for Rashba-type spin splitting on a semimetallic WTe ₂ surface. <i>Physical Review B</i> , 2016 , 94,	3.3	9
58	Visualizing superconductivity in FeSe nanoflakes on SrTiO ₃ by scanning tunneling microscopy. <i>Physical Review B</i> , 2015 , 91,	3.3	9
57	Control of Circular Photogalvanic Effect of Surface States in the Topological Insulator BiTe via Spin Injection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18091-18100	9.5	8
56	Investigating and manipulating the molecular beam epitaxy growth kinetics of intrinsic magnetic topological insulator MnBiTe with angle-resolved photoemission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2020 ,	1.8	8
55	Topological dynamical decoupling. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	8
54	Ionic Liquid Gating Induced Protonation of Electron-Doped Cuprate Superconductors. <i>Nano Letters</i> , 2019 , 19, 7775-7780	11.5	8
53	Scanning tunneling microscopy study of the superconducting properties of three-atomic-layer Pb films. <i>Applied Physics Letters</i> , 2013 , 103, 242603	3.4	8
52	Sample-size dependence of the superconducting transition of ribbon-shaped Pb nanocrystals studied by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2010 , 81,	3.3	8
51	Direct Visualization of Ambipolar Mott Transition in Cuprate CuO ₂ Planes. <i>Physical Review Letters</i> , 2020 , 125, 077002	7.4	8
50	Electronic analog of chiral metamaterial: Helicity-resolved filtering and focusing of Dirac fermions in thin films of topological materials. <i>Physical Review B</i> , 2015 , 92,	3.3	7
49	Direct Observation of Full-Gap Superconductivity and Pseudogap in Two-Dimensional Fullerides. <i>Physical Review Letters</i> , 2020 , 124, 187001	7.4	7
48	Visualizing molecular orientational ordering and electronic structure in C ₆₀ fulleride films. <i>Physical Review B</i> , 2020 , 101,	3.3	7

47	Anisotropic superconductivity and elongated vortices with unusual bound states in quasi-one-dimensional nickel-bismuth compounds. <i>Physical Review B</i> , 2018 , 97,	3.3	7
46	Supramolecular Motors on Graphite Surface Stabilized by Charge States and Hydrogen Bonds. <i>ACS Nano</i> , 2017 , 11, 10236-10242	16.7	7
45	Activated dissociation of O ₂ on Pb(111) surfaces by Pb adatoms. <i>Physical Review B</i> , 2009 , 80,	3.3	7
44	Incommensurate smectic phase in close proximity to the high-T superconductor FeSe/SrTiO. <i>Nature Communications</i> , 2021 , 12, 2196	17.4	7
43	Atomic visualization of copper oxide structure in the infinite-layer cuprate SrCuO ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	7
42	Signature of Superconductivity in Orthorhombic CoSb Monolayer Films on SrTiO(001). <i>ACS Nano</i> , 2019 , 13, 10434-10439	16.7	6
41	Quantum anomalous Hall heterostructures. <i>National Science Review</i> , 2019 , 6, 202-204	10.8	6
40	Visualizing buried silicon atoms at the Cd-Si(111)-7 \times 7 interface with localized electrons. <i>Physical Review B</i> , 2017 , 96,	3.3	6
39	STM study of a rubrene monolayer on Bi(001): Structural modulations. <i>Physical Review B</i> , 2011 , 83,	3.3	5
38	Presence of s-Wave Pairing in Josephson Junctions Made of Twisted Ultrathin Bi ₂ Sr ₂ CaCu ₂ O _{8+x} Flakes. <i>Physical Review X</i> , 2021 , 11,	9.1	5
37	Oxygen vacancy modulated superconductivity in monolayer FeSe on SrTiO ₃ . <i>Physical Review B</i> , 2019 , 100,	3.3	5
36	Helicity-dependent photocurrent of the top and bottom Dirac surface states of epitaxial thin films of three-dimensional topological insulators Sb ₂ Te ₃ . <i>Physical Review B</i> , 2019 , 100,	3.3	5
35	Coexistence of resistance oscillations and the anomalous metal phase in a lithium intercalated TiSe superconductor. <i>Nature Communications</i> , 2021 , 12, 5342	17.4	5
34	Direct Observation of One-Dimensional Peierls-type Charge Density Wave in Twin Boundaries of Monolayer MoTe. <i>ACS Nano</i> , 2020 , 14, 8299-8306	16.7	4
33	Visualizing the elongated vortices in $\sqrt{3}\times\sqrt{3}$ Ga nanostrips. <i>Physical Review B</i> , 2016 , 93,	3.3	4
32	Origin of the anomalous Hall effect in SrCoO ₃ thin films. <i>Physical Review B</i> , 2019 , 100,	3.3	4
31	Ultrathin lead oxide film on Pb(111) and its application in single spin detection. <i>Applied Physics Letters</i> , 2009 , 95, 063107	3.4	4
30	Tunable chiral and helical edge state transport in a magnetic topological insulator bilayer. <i>Physical Review B</i> , 2019 , 100,	3.3	3

29	Giant photoinduced anomalous Hall effect of the topological surface states in three dimensional topological insulators Bi ₂ Te ₃ . <i>Applied Physics Letters</i> , 2020 , 116, 141603	3.4	3
28	Experimental evidence of the thickness- and electric-field-dependent topological phase transitions in topological crystalline insulator SnTe(111) thin films. <i>Nano Research</i> , 2018 , 11, 6045-6050	10	3
27	Why is the T _c So High in Fe-Based Pnictide and Chalcogenide Superconductors?. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1684, 16		3
26	Semiconductor-Metal Phase Transition and Emergent Charge Density Waves in 1-ZrX (X = Se, Te) at the Two-Dimensional Limit.. <i>Nano Letters</i> , 2022 ,	11.5	3
25	Charge density waves and Fermi level pinning in monolayer and bilayer SnSe ₂ . <i>Physical Review B</i> , 2020 , 102,	3.3	3
24	Manipulation of the Magnetic Anisotropy of Single Mn Atom via Molecular Ligands. <i>Nano Letters</i> , 2021 , 21, 3566-3572	11.5	3
23	Observation of In-Plane Quantum Griffiths Singularity in Two-Dimensional Crystalline Superconductors. <i>Physical Review Letters</i> , 2021 , 127, 137001	7.4	3
22	Selective trapping of hexagonally warped topological surface states in a triangular quantum corral. <i>Science Advances</i> , 2019 , 5, eaaw3988	14.3	2
21	Real-space observation of charge ordering in epitaxial La _{2-x} Sr _x CuO ₄ films. <i>Npj Quantum Materials</i> , 2019 , 4,	5	2
20	Emergent high-temperature superconductivity at interfaces. <i>MRS Bulletin</i> , 2020 , 45, 366-372	3.2	2
19	Distinct Quantum Anomalous Hall Ground States Induced by Magnetic Disorders. <i>Physical Review X</i> , 2020 , 10,	9.1	2
18	Meroherdal disorder and impurity impacts on superconductivity of fullerenes. <i>Communications Physics</i> , 2021 , 4,	5.4	2
17	2D Ferroelectrics: Enhanced Spontaneous Polarization in Ultrathin SnTe Films with Layered Antipolar Structure (Adv. Mater. 3/2019). <i>Advanced Materials</i> , 2019 , 31, 1970016	24	2
16	Little-Parks like oscillations in lightly doped cuprate superconductors.. <i>Nature Communications</i> , 2022 , 13, 1316	17.4	2
15	Molecular beam epitaxy growth and surface structure of Sr _{1-x} Nd _x CuO ₂ cuprate films. <i>Physical Review B</i> , 2020 , 101,	3.3	1
14	Surface symmetry breaking and disorder effects on superconductivity in perovskite BaBi ₃ epitaxial films. <i>Physical Review B</i> , 2018 , 98,	3.3	1
13	Nanoscale superconductivity of EGa islands grown by molecular beam epitaxy. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015 , 58, 1	3.6	1
12	STUDY ON THE MECHANISM OF VISIBLE ABSORPTION ENHANCEMENT FOR N ⁺ IMPLANTED TiO ₂ BY RAMAN SPECTROSCOPY. <i>Surface Review and Letters</i> , 2011 , 18, 135-140	1.1	1

11	Berry-Phase Switch in Electrostatically Confined Topological Surface States.. <i>Physical Review Letters</i> , 2022 , 128, 126402	7.4	1
10	An in situ electrical transport measurement system under ultra-high vacuum. <i>Review of Scientific Instruments</i> , 2020 , 91, 063902	1.7	0
9	Tuning the electronic states and superconductivity in alkali fulleride films. <i>AAPPS Bulletin</i> , 2022 , 32, 1		0
8	Simultaneous switching of supramolecular chirality and organizational chirality driven by Coulomb expansion. <i>Nano Research</i> , 1	10	0
7	Direct observation of nodeless superconductivity and phonon modes in electron-doped copper oxide SrNdCuO.. <i>National Science Review</i> , 2022 , 9, nwab225	10.8	0
6	Construction of molecular beam epitaxy and multi-probe scanning tunneling potentiometry combined system. <i>Review of Scientific Instruments</i> , 2019 , 90, 093703	1.7	
5	Molecular Beam Epitaxial Growth of Topological Insulators 2019 , 366-379		
4	Quantum Anomalous Hall Effect 2015 , 357-376		
3	Optical Properties of Crescent Pair for Sensing. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 072001	1.4	
2	Quantum Anomalous Hall Effect in Magnetic Topological Insulators 2021 , 389-401		
1	Ambi-chiral anomalous Hall effect in magnetically doped topological insulators. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022 , 65, 1	3.6	