Jiangping Hu

List of Publications by Year in Descending Order

248 papers	12,495 citations	58 h-index	105 g-index
260 ext. papers	14,419 ext. citations	5.9 avg, IF	6.55 L-index

#	Paper	IF	Citations
248	Electronic nature of charge density wave and electron-phonon coupling in kagome superconductor KVSb.. *Nature Communications*, **2022**, 13, 273	17.4	9
247	A density-wave-like transition in the polycrystalline V3Sb2 sample with bilayer kagome lattice. *Chinese Physics B*, **2022**, 31, 017106	1.2	0
246	Scaling of the strange-metal scattering in unconventional superconductors.. *Nature*, **2022**, 602, 431-436	50.4	5
245	Low-energy effective theory and symmetry classification of flux phases on the kagome lattice. *Physical Review B*, **2021**, 104,	3.3	5
244	Two distinct superconducting states controlled by orientations of local wrinkles in LiFeAs. *Nature Communications*, **2021**, 12, 6312	17.4	1
243	Miscibility gap and possible intrinsic Griffiths phase in Sr(Fe1Mnx)2As2 crystals grown by transition metal arsenide flux. *Physical Review B*, **2021**, 103,	3.3	2
242	Observation of the critical state to multiple-type Dirac semimetal phases in KMgBi. *Journal of Applied Physics*, **2021**, 129, 235109	2.5	
241	Double Superconducting Dome and Triple Enhancement of T_{c} in the Kagome Superconductor CsV_{3}Sb_{5} under High Pressure. *Physical Review Letters*, **2021**, 126, 247001	7.4	63
240	Anisotropic Superconducting Properties of Kagome Metal CsV3Sb5. *Chinese Physics Letters*, **2021**, 38, 057403	1.8	34
239	Superconductivity from buckled-honeycomb-vacancy ordering. *Science Bulletin*, **2021**, 66, 327-331	10.6	0
238	Searching for new unconventional high temperature superconductors. *Wuli Xuebao/Acta Physica Sinica*, **2021**, 70, 1-8	0.6	
237	Reemergence of superconductivity in pressurized quasi-one-dimensional superconductor K2Mo3As3. *Physical Review Materials*, **2021**, 5,	3.2	4
236	Fermion Doubling Theorems in Two-Dimensional Non-Hermitian Systems for Fermi Points and Exceptional Points. *Physical Review Letters*, **2021**, 126, 086401	7.4	14
235	Dissipative Floquet Majorana Modes in Proximity-Induced Topological Superconductors. *Physical Review Letters*, **2021**, 126, 086801	7.4	1
234	Chiral flux phase in the Kagome superconductor AV3Sb5. *Science Bulletin*, **2021**, 66, 1384-1388	10.6	41
233	BaCuS2: A Superconductor with Moderate Electron-Electron Correlation*. *Chinese Physics Letters*, **2021**, 38, 017501	1.8	1
232	Electronic structure and two-band superconductivity in unconventional high-Tc cuprates Ba2 CuO3+*Physical Review B*, **2021**, 103,	3.3	1

231	Jones Polynomial and Knot Transitions in Hermitian and non-Hermitian Topological Semimetals. *Physical Review Letters*, **2020**, 124, 186402	7.4	36
230	Universal mechanical exfoliation of large-area 2D crystals. *Nature Communications*, **2020**, 11, 2453	17.4	169
229	Spectroscopic evidence of bilayer splitting and strong interlayer pairing in the superconductor KCa2Fe4As4F2. *Physical Review B*, **2020**, 101,	3.3	10
228	A substantial hybridization between correlated Ni-d orbital and itinerant electrons in infinite-layer nickelates. *Communications Physics*, **2020**, 3,	5.4	45
227	Spin-Canting-Induced Band Reconstruction in the Dirac Material Ca_{1-x}Na_{x}MnBi_{2}. *Physical Review Letters*, **2020**, 124, 137201	7.4	6
226	Bulk-boundary correspondence in non-Hermitian Hopf-link exceptional line semimetals. *Physical Review B*, **2020**, 102,	3.3	4
225	Interfacial Superconductivity on the Topological Semimetal Tungsten Carbide Induced by Metal Deposition. *Advanced Materials*, **2020**, 32, e1907970	24	10
224	Zero-energy bound states in the high-temperature superconductors at the two-dimensional limit. *Science Advances*, **2020**, 6, eaax7547	14.3	13
223	The intercalation of 1,10-phenanthroline into layered NiPSvia iron dopant seeding. *Chemical Communications*, **2020**, 56, 4603-4606	5.8	3
222	Surface Nonlinear Optics on Centrosymmetric Dirac Nodal-Line Semimetal ZrSiS. *Advanced Materials*, **2020**, 32, e1904498	24	5
221	Boundary-Obstructed Topological High-Tc Superconductivity in Iron Pnictides. *Physical Review X*, **2020**, 10,	9.1	7
220	Spectroscopic Evidence for an Additional Symmetry Breaking in the Nematic State of FeSe Superconductor. *Physical Review X*, **2020**, 10,	9.1	3
219	Orbital selectivity of layer-resolved tunneling in the iron-based superconductor Ba0.6K0.4Fe2As2. *Physical Review B*, **2020**, 102,	3.3	4
218	Neutron Spin Resonance in a Quasi-Two-Dimensional Iron-Based Superconductor. *Physical Review Letters*, **2020**, 125, 117002	7.4	12
217	Momentum dependent [Formula: see text] band splitting in LaFeAsO. *Scientific Reports*, **2020**, 10, 19377	4.9	1
216	Non-Hermitian Bulk-Boundary Correspondence and Auxiliary Generalized Brillouin Zone Theory. *Physical Review Letters*, **2020**, 125, 226402	7.4	69
215	Unconventional high temperature superconductivity in cubic zinc-blende transition metal compounds. *Science China: Physics, Mechanics and Astronomy*, **2020**, 63, 1	3.6	1
214	Observation of topological transition in high-Tc superconducting monolayer FeTe1−xSex films on SrTiO3(001). *Physical Review B*, **2019**, 100,	3.3	19

213	Optical spectroscopy study of the topological property in PrSb. *Physical Review B*, **2019**, 100,	3.3	2
212	Observation of a topological nodal-line semimetal in YbMnSb2 through optical spectroscopy. *Physical Review B*, **2019**, 100,	3.3	13
211	Ni-based transition metal trichalcogenide monolayer: A strongly correlated quadruple-layer graphene. *Physical Review B*, **2019**, 100,	3.3	12
210	Non-Hermitian Hopf-link exceptional line semimetals. *Physical Review B*, **2019**, 99,	3.3	86
209	Anomalous Dome-like Superconductivity in RE(CuNi)AsO (RE= La, Pr, Nd). *IScience*, **2019**, 14, 171-179	6.1	3
208	Intertwined Spin and Orbital Density Waves in MnP Uncovered by Resonant Soft X-Ray Scattering. *Physical Review X*, **2019**, 9,	9.1	3
207	Learning and inference on generative adversarial quantum circuits. *Physical Review A*, **2019**, 99,	2.6	36
206	Topological quantum states of matter in iron-based superconductors: from concept to material realization. *National Science Review*, **2019**, 6, 213-226	10.8	26
205	Topological vortex phase transitions in iron-based superconductors. *Science Bulletin*, **2019**, 64, 1207-1214	10.6	11
204	Quasi-1D Topological Nodal Vortex Line Phase in Doped Superconducting 3D Dirac Semimetals. *Physical Review Letters*, **2019**, 123, 027003	7.4	15
203	Local evolutions of nodal points in two-dimensional systems with chiral symmetry. *Chinese Physics B* , **2019**, 28, 077101	1.2	
202	Enhancement of the thermal-transport figure of merit and breakdown of the Wiedemann-Franz law in unitary Fermi gases. *Physical Review A*, **2019**, 100,	2.6	2
201	A new quasi-one-dimensional compound Ba3TiTe5 and superconductivity induced by pressure. *NPG Asia Materials*, **2019**, 11,	10.3	8
200	Superconductivity induced at a point contact on the topological semimetal tungsten carbide. *Physical Review B*, **2019**, 100,	3.3	10
199	Topological superconductivity in Ni-based transition metal trichalcogenides. *Physical Review B*, **2019**, 100,	3.3	3
198	Multiple topological states in iron-based superconductors. *Nature Physics*, **2019**, 15, 41-47	16.2	96
197	Topological critical materials of ternary compounds. *Journal of Physics and Chemistry of Solids*, **2019** , 128, 218-224	3.9	4
196	Theoretical studies of superconductivity in doped BaCoSO. *Frontiers of Physics*, **2018**, 13, 1	3.7	2

195	d+id chiral superconductivity in a triangular lattice from trigonal bipyramidal complexes. *Physical Review B*, **2018**, 97,	3.3	3
194	Odd and Even Modes of Neutron Spin Resonance in the Bilayer Iron-Based Superconductor CaKFe_{4}As_{4}. *Physical Review Letters*, **2018**, 120, 267003	7.4	18
193	Dirac semimetal in -CuI without surface Fermi arcs. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8311-8315	11.5	16
192	Orbital Origin of Extremely Anisotropic Superconducting Gap in Nematic Phase of FeSe Superconductor. *Physical Review X*, **2018**, 8,	9.1	36
191	Evidence for triplet superconductivity near an antiferromagnetic instability in CrAs. *Physical Review B*, **2018**, 98,	3.3	9
190	A possible family of Ni-based high temperature superconductors. *Science Bulletin*, **2018**, 63, 957-963	10.6	9
189	Universal superconductivity phase diagram for pressurized tetradymite topological insulators. *Physical Review Materials*, **2018**, 2,	3.2	5
188	Research progress of topological quantum states in iron-based superconductor. *Wuli Xuebao/Acta Physica Sinica*, **2018**, 67, 207101	0.6	3
187	Independence of topological surface state and bulk conductance in three-dimensional topological insulators. *Npj Quantum Materials*, **2018**, 3,	5	18
186	Evidence of line nodes in superconducting gap function in K 2 Cr 3 As 3 from specific-heat measurements. *Europhysics Letters*, **2018**, 123, 57001	1.6	12
185	Nodeless High-T_{c} Superconductivity in the Highly Overdoped CuO_{2} Monolayer. *Physical Review Letters*, **2018**, 121, 227002	7.4	20
184	Predicting diamond-like Co-based chalcogenides as unconventional high temperature superconductors. *Science Bulletin*, **2018**, 63, 1338-1344	10.6	4
183	Infrared spectroscopic studies of the topological properties in CaMnSb2. *Physical Review B*, **2018**, 98,	3.3	6
182	2-Josephson junction as a topological superconductor. *Physical Review B*, **2018**, 98,	3.3	4
181	A possible new family of unconventional high temperature superconductors. *Science Bulletin*, **2017**, 62, 212-217	10.6	10
180	Electronic physics and possible superconductivity in layered orthorhombic cobalt oxychalcogenides. *Science Bulletin*, **2017**, 62, 563-571	10.6	1
179	Enhanced superconductivity accompanying a Lifshitz transition in electron-doped FeSe monolayer. *Nature Communications*, **2017**, 8, 14988	17.4	55
178	FeTe1Sex monolayer films: towards the realization of high-temperature connate topological superconductivity. *Science Bulletin*, **2017**, 62, 503-507	10.6	40

177	Is BaCr2As2 symmetrical to BaFe2As2 with respect to half 3d shell filling?. *Physical Review B*, **2017**, 95,	3.3	9
176	Weyl and Nodal Ring Magnons in Three-Dimensional Honeycomb Lattices. *Chinese Physics Letters*, **2017**, 34, 077501	1.8	8
175	Longitudinal modes of spin fluctuations in iron-based superconductors. *Physical Review B*, **2017**, 96,	3.3	2
174	Three-dimensional topological critical Dirac semimetal in AMgBi(A= K, Rb, Cs). *Physical Review B*, **2017**, 96,	3.3	26
173	Dirac and Nodal Line Magnons in Three-Dimensional Antiferromagnets. *Physical Review Letters*, **2017**, 119, 247202	7.4	66
172	Magnetism and superconductivity in the layered hexagonal transition metal pnictides. *Physical Review B*, **2017**, 96,	3.3	7
171	Thermal conductivities in NaSnAs, NaSnP, and NaSn2As2: Effect of double lone-pair electrons. *Physical Review B*, **2017**, 95,	3.3	21
170	Robust d-wave pairing symmetry in multiorbital cobalt high-temperature superconductors. *Physical Review B*, **2017**, 96,	3.3	2
169	Observation of high-Tc superconductivity in rectangular FeSe/SrTiO3(110) monolayers. *Physical Review B*, **2016**, 94,	3.3	40
168	Disentangling the surface and bulk electronic structures of LaOFeAs. *Physical Review B*, **2016**, 94,	3.3	4
167	Density functional calculations of a staggered FeSe monolayer on a SrTiO3 (110) surface. *Physical Review B*, **2016**, 94,	3.3	4
166	A unifying phase diagram with correlation-driven superconductor-to-insulator transition for the 122? series of iron chalcogenides. *Physical Review B*, **2016**, 93,	3.3	17
165	Topological characters in Fe(Te1−xSex) thin films. *Physical Review B*, **2016**, 93,	3.3	86
164	Interatomic Coulomb interaction and electron nematic bond order in FeSe. *Physical Review B*, **2016**, 93,	3.3	52
163	Distinct surface and bulk charge density waves in ultrathin 1T−TaS2. *Physical Review B*, **2016**, 94,	3.3	34
162	Observability of Higgs mode in a system without Lorentz invariance. *Physical Review A*, **2016**, 94,	2.6	5
161	Revisitation of superconductivity in K 2 Cr 3 As 3 based on the six-band model. *Europhysics Letters*, **2016**, 113, 37003	1.6	16
160	Identifying the genes of unconventional high temperature superconductors. *Science Bulletin*, **2016**, 61, 561-569	10.6	22

159	Robustness of s-wave pairing symmetry in iron-based superconductors and its implications for fundamentals of magnetically driven high-temperature superconductivity. *Frontiers of Physics*, **2016** , 11, 1	3.7	10
158	Properties of the zero-energy Andreev bound state in a two-sublattice SNS junction. *Europhysics Letters*, **2016**, 114, 47002	1.6	
157	Structural and magnetic phase diagram of CrAs and its relationship with pressure-induced superconductivity. *Physical Review B*, **2016**, 93,	3.3	27
156	Sign reversal of magnetoresistance in a perovskite nickelate by electron doping. *Physical Review B*, **2016**, 94,	3.3	24
155	Topological Phase in Non-centrosymmetric Material NaSnBi. *Chinese Physics Letters*, **2016**, 33, 127301	1.8	6
154	Correlation between superconductivity and bond angle of CrAs chain in non-centrosymmetric compounds ACrAs (A = K, Rb). *Scientific Reports*, **2016**, 6, 37878	4.9	15
153	Hybrid crystals of cuprates and iron-based superconductors. *Chinese Physics B*, **2016**, 25, 077402	1.2	3
152	Understanding Doping, Vacancy, Lattice Stability, and Superconductivity in K Fe Se. *Advanced Science*, **2016**, 3, 1600098	13.6	24
151	CaFeAs2: A staggered intercalation of quantum spin Hall and high-temperature superconductivity. *Physical Review B*, **2015**, 91,	3.3	35
150	Observation of a robust zero-energy bound state in iron-based superconductor Fe(Te,Se). *Nature Physics*, **2015**, 11, 543-546	16.2	130
149	Formation of As-As bond and its effect on absence of superconductivity in the collapsed tetragonal phase of Ca0.86Pr0.14Fe2As2: An optical spectroscopy study. *Physical Review B*, **2015**, 91,	3.3	7
148	Magnetism in Quasi-One-Dimensional A 2 Cr 3 As 3 (A=K,Rb) Superconductors. *Chinese Physics Letters*, **2015**, 32, 057401	1.8	45
147	Interaction-driven topological and nematic phases on the Lieb lattice. *New Journal of Physics*, **2015**, 17, 055016	2.9	52
146	Plain s-wave superconductivity in single-layer FeSe on SrTiO3 probed by scanning tunnelling microscopy. *Nature Physics*, **2015**, 11, 946-952	16.2	121
145	Electronic Structure Properties in the Nematic Phases of FeSe. *Chinese Physics Letters*, **2015**, 32, 117402	1.8	11
144	Observation of two distinct dxz/dyz band splittings in FeSe. *Physical Review B*, **2015**, 91,	3.3	110
143	Triplet pz-wave pairing in quasi-one-dimensional A2Cr3As3 superconductors (A=K,Rb,Cs). *Physical Review B*, **2015**, 92,	3.3	64
142	Quantum fluctuation-driven first-order phase transitions in optical lattices. *Physical Review A*, **2015**, 92,	2.6	1

141	Observation of a Raman-active phonon with Fano line shape in the quasi-one-dimensional superconductor K2Cr3As3. *Physical Review B*, **2015**, 92,	3.3	17
140	Observation of a Van Hove singularity and implication for strong-coupling induced Cooper pairing in KFe2As2. *Physical Review B*, **2015**, 92,	3.3	18
139	Predicting Unconventional High-Temperature Superconductors in Trigonal Bipyramidal Coordinations. *Physical Review X*, **2015**, 5,	9.1	10
138	Novel quasi-one-dimensional chromium-based unconventional superconductors. *Science Bulletin*, **2015**, 60, 2140-2141	10.6	2
137	Observation of strong electron pairing on bands without Fermi surfaces in LiFe(1-x)CoxAs. *Nature Communications*, **2015**, 6, 6056	17.4	56
136	Robust antiferromagnetism preventing superconductivity in pressurized (Ba 0.61 K 0.39)Mn2Bi2. *Scientific Reports*, **2014**, 4, 7342	4.9	4
135	Pairing symmetry in layered BiS2 compounds driven by electron-electron correlation. *Frontiers of Physics*, **2014**, 9, 194-199	3.7	48
134	g-wave pairing in BiS 2 superconductors. *Europhysics Letters*, **2014**, 108, 27006	1.6	30
133	Measurement of an enhanced superconducting phase and a pronounced anisotropy of the energy gap of a strained FeSe single layer in FeSe/Nb:SrTiO3/KTaO3 heterostructures using photoemission spectroscopy. *Physical Review Letters*, **2014**, 112, 107001	7.4	99
132	Electronic and magnetic structures of chain structured iron selenide compounds. *Frontiers of Physics*, **2014**, 9, 465-471	3.7	11
131	Superconducting gaps via Raman scattering in iron superconductors. *Physical Review B*, **2014**, 89,	3.3	4
130	Odd parity pairing and nodeless antiphase s± in iron-based superconductors. *Physical Review B*, **2014**, 89,	3.3	25
129	Effect of As-chain layers in CaFeAs2. *Physical Review B*, **2014**, 89,	3.3	38
128	Topological Phases in the Single-Layer FeSe. *Physical Review X*, **2014**, 4,	9.1	49
127	Observation of Momentum-Confined In-Gap Impurity State in Ba0.6K0.4Fe2As2: Evidence for Antiphase s± Pairing. *Physical Review X*, **2014**, 4,	9.1	12
126	Quantum Hall effect in monolayer-bilayer graphene planar junctions. *Physical Review B*, **2013**, 88,	3.3	21
125	Quantum Monte Carlo study of a dominant s-wave pairing symmetry in iron-based superconductors. *Physical Review Letters*, **2013**, 110, 107002	7.4	31
124	Interface-induced superconductivity and strain-dependent spin density waves in FeSe/SrTiO3 thin films. *Nature Materials*, **2013**, 12, 634-40	27	472

123	Spin excitation anisotropy as a probe of orbital ordering in the paramagnetic tetragonal phase of superconducting BaFe1.904Ni0.09As2. *Physical Review Letters*, **2013**, 111, 107006	7.4	48
122	Oriented gap opening in the magnetically ordered state of iron pnictides: An impact of intrinsic unit cell doubling on the Fe square lattice by As atoms. *Europhysics Letters*, **2013**, 104, 57007	1.6	3
121	Effect of electron correlations on magnetic excitations in the isovalently doped iron-based superconductor Ba(Fe(1-x)Ru(x))(2)As(2). *Physical Review Letters*, **2013**, 110, 147003	7.4	14
120	Chiral f-wave topological superfluid in triangular optical lattices. *Physical Review A*, **2013**, 87,	2.6	6
119	Observation of superconductivity and anomalous electrical resistivity in single-crystal Ir3Te8. *Physical Review B*, **2013**, 87,	3.3	7
118	Superconductivity in a single-layer alkali-doped FeSe: A weakly coupled two-leg ladder system. *Physical Review B*, **2013**, 88,	3.3	11
117	Iron-Based Superconductors as Odd-Parity Superconductors. *Physical Review X*, **2013**, 3,	9.1	31
116	A Short Review of theS4Symmetric Microscopic Model for Iron-Based High Temperature Superconductors. *Journal of Physics: Conference Series*, **2013**, 449, 012017	0.3	0
115	Three dimensionality and orbital characters of the Fermi surface in (Tl,Rb)(y)Fe(2-x)Se2. *Physical Review Letters*, **2012**, 109, 037003	7.4	34
114	KFe2Se2 is the parent compound of K-doped iron selenide superconductors. *Physical Review Letters* , **2012**, 109, 057003	7.4	93
113	Nematic orders in iron-based superconductors. *Physica C: Superconductivity and Its Applications*, **2012**, 481, 215-222	1.3	29
112	Symmetry breaking via orbital-dependent reconstruction of electronic structure in detwinned NaFeAs. *Physical Review B*, **2012**, 85,	3.3	113
111	Pseudogap in underdoped Ba1−xKxFe2As2 as seen via optical conductivity. *Physical Review B*, **2012**, 86,	3.3	43
110	Magnetism and its microscopic origin in iron-based high-temperature superconductors. *Nature Physics*, **2012**, 8, 709-718	16.2	420
109	Effect of Li-deficiency impurities on the electron-overdoped LiFeAs superconductor. *Physical Review B*, **2012**, 86,	3.3	25
108	Phase separation and magnetic order in K-doped iron selenide superconductor. *Nature Physics*, **2012**, 8, 126-130	16.2	265
107	The orbital characters of low-energy electronic structure in iron-chalcogenide superconductor K x Fe2−y Se2. *Science Bulletin*, **2012**, 57, 3829-3835		8
106	Magnetic frustration and iron-vacancy ordering in iron chalcogenide. *Physical Review B*, **2012**, 85,	3.3	14

105	Electronic origin of high-temperature superconductivity in single-layer FeSe superconductor. *Nature Communications*, **2012**, 3, 931	17.4	427
104	Unified minimum effective model of magnetic properties of iron-based superconductors. *Physical Review B*, **2012**, 85,	3.3	51
103	Orbital characters determined from Fermi surface intensity patterns using angle-resolved photoemission spectroscopy. *Physical Review B*, **2012**, 85,	3.3	43
102	Isotropic superconducting gaps with enhanced pairing on electron Fermi surfaces in FeTe0.55Se0.45. *Physical Review B*, **2012**, 85,	3.3	120
101	c-axis nodal lines induced by interlayer pairing in iron-based superconductors. *Physical Review B*, **2012**, 85,	3.3	8
100	Phase diagram as a function of doping level and pressure in the Eu1□LaxFe2As2 system. *Physical Review B*, **2012**, 85,	3.3	11
99	Magnetic and orbital orders coupled to negative thermal expansion in Mott insulators Ca2Ru1□MxO4 (M = Mn and Fe). *Physical Review B*, **2012**, 85,	3.3	25
98	s-wave superconductivity with orbital-dependent sign change in checkerboard models of iron-based superconductors. *Physical Review B*, **2012**, 85,	3.3	21
97	Block antiferromagnetism and checkerboard charge ordering in the alkali-doped iron selenides R1□Fe2□Se2. *Physical Review B*, **2012**, 85,	3.3	28
96	S4 Symmetric Microscopic Model for Iron-Based Superconductors. *Physical Review X*, **2012**, 2,	9.1	54
95	Controlling phase separation of a two-component Bose-Einstein condensate by confinement. *Physical Review A*, **2012**, 85,	2.6	53
94	Magnetic ordering and multiferroicity in MnI2. *Physical Review B*, **2012**, 86,	3.3	19
93	Dynamical predictive power of the generalized Gibbs ensemble revealed in a second quench. *Physical Review E*, **2012**, 85, 041138	2.4	6
92	Pressure effects on magnetically driven electronic nematic states in iron pnictide superconductors. *Physical Review B*, **2012**, 85,	3.3	16
91	Neutron scattering studies of spin excitations in superconducting Rb0.82Fe1.68Se2. *Physical Review B*, **2012**, 86,	3.3	16
90	ONE-LOOP RENORMALIZATION GROUP ANALYSIS OF BOSE□ERMI MIXTURES. *International Journal of Modern Physics B*, **2012**, 26, 1250197	1.1	
89	Local antiferromagnetic exchange and collaborative Fermi surface as key ingredients of high temperature superconductors. *Scientific Reports*, **2012**, 2, 381	4.9	98
88	Electronic and magnetic phase diagram in K(x)Fe(2-y)Se(2) superconductors. *Scientific Reports*, **2012**, 2, 212	4.9	102

87	Nanoscale phase separation of antiferromagnetic order and superconductivity in K(0.75)Fe(1.75)Se(2). *Scientific Reports*, **2012**, 2, 221	4.9	93
86	Magnetism in Parent Compounds of Iron-Based Superconductors **2012**, 473-512		
85	Electronic Identification of the Parental Phases and Mesoscopic Phase Separation of KxFe2−ySe2 Superconductors. *Physical Review X*, **2011**, 1,	9.1	121
84	Spin waves and magnetic exchange interactions in insulating Rb(0.89)Fe(1.58)Se(2). *Nature Communications*, **2011**, 2, 580	17.4	76
83	Robustness of s-Wave Pairing in Electron-Overdoped A1−yFe2−xSe2 (A=K, Cs). *Physical Review X*, **2011**, 1,	9.1	64
82	Nematic spin fluid in the tetragonal phase of BaFe2As2. *Physical Review B*, **2011**, 84,	3.3	172
81	Nodeless superconducting gap in A(x)Fe2Se2 (A=K,Cs) revealed by angle-resolved photoemission spectroscopy. *Nature Materials*, **2011**, 10, 273-7	27	382
80	Observation of a ubiquitous three-dimensional superconducting gap function in optimally doped Ba0.6K0.4Fe2As2. *Nature Physics*, **2011**, 7, 198-202	16.2	87
79	Connectivity of edge and surface states in topological insulators. *Physical Review B*, **2011**, 84,	3.3	6
78	Neutron scattering studies of spin excitations in hole-doped Ba(0.67)K(0.33)Fe(2)As(2) superconductor. *Scientific Reports*, **2011**, 1, 115	4.9	65
77	Exotic d-wave superconducting state of strongly hole-doped K(x)Ba(1-x)Fe2As2. *Physical Review Letters*, **2011**, 107, 117001	7.4	132
76	Spin waves in the (π0) magnetically ordered iron chalcogenide Fe1.05Te. *Physical Review Letters*, **2011**, 106, 057004	7.4	89
75	Antiferromagnetic spin excitations in single crystals of nonsuperconducting Li1−xFeAs. *Physical Review B*, **2011**, 83,	3.3	26
74	Nodeless energy gaps of single-crystalline Ba0.68K0.32Fe2As2 as seen via As75 NMR. *Physical Review B*, **2011**, 83,	3.3	53
73	Measurements of the anisotropic in-plane resistivity of underdoped FeAs-based pnictide superconductors. *Physical Review Letters*, **2011**, 107, 067001	7.4	93
72	Orbital characters of bands in the iron-based superconductor BaFe1.85Co0.15As2. *Physical Review B*, **2011**, 83,	3.3	80
71	Normal-state hourglass dispersion of the spin excitations in FeSexTe(1-x). *Physical Review Letters*, **2010**, 105, 157002	7.4	29
70	Out-of-plane momentum and symmetry-dependent energy gap of the pnictide Ba0.6K0.4Fe2As2 superconductor revealed by angle-resolved photoemission spectroscopy. *Physical Review Letters*, **2010**, 105, 117003	7.4	70

69	Electronic structure of Fe1.04Te0.66Se0.34. *Physical Review B*, **2010**, 81,	3.3	98
68	Contrasting impurity scattering and pair-breaking effects by doping Mn and Zn in Ba0.5K0.5Fe2As2. *Physical Review B*, **2010**, 81,	3.3	58
67	A75s NMR study of single crystals of the heavily overdoped pnictide superconductors Ba1□KxFe2As2 (x=0.7 and 1). *Physical Review B*, **2010**, 81,	3.3	45
66	Anisotropic neutron spin resonance in superconducting BaFe1.9Ni0.1As2. *Physical Review B*, **2010**, 82,	3.3	51
65	Neutron spin resonance as a probe of the superconducting energy gap of BaFe1.9Ni0.1As2 superconductors. *Physical Review B*, **2010**, 81,	3.3	32
64	QUINTET PAIRING AND NON-ABELIAN VORTEX STRING IN SPIN-3/2 COLD ATOMIC SYSTEMS. *International Journal of Modern Physics B*, **2010**, 24, 311-322	1.1	21
63	Surface and bulk electronic structures of LaFeAsO studied by angle-resolved photoemission spectroscopy. *Physical Review B*, **2010**, 82,	3.3	35
62	Leggett mode in a strong-coupling model of iron arsenide superconductors. *Physical Review B*, **2010**, 82,	3.3	20
61	Electronic-structure-driven magnetic and structure transitions in superconducting NaFeAs single crystals measured by angle-resolved photoemission spectroscopy. *Physical Review Letters*, **2010**, 105, 117002	7.4	69
60	Strong correlations and spin-density-wave phase induced by a massive spectral weight redistribution in □-Fe1.06Te. *Physical Review B*, **2010**, 82,	3.3	44
59	Quantized quasi-two-dimensional Bose-Einstein condensates with spatially modulated nonlinearity. *Physical Review A*, **2010**, 81,	2.6	105
58	Low-energy Ce spin excitations in CeFeAsO and CeFeAsO0.84F0.16. *Frontiers of Physics in China*, **2010**, 5, 161-165		4
57	Impurities in graphene. *Physica Status Solidi (A) Applications and Materials Science*, **2010**, 207, 2726-2738	1.6	5
56	Magnetic properties of the superconducting state of iron-based superconductors. *Physical Review B*, **2009**, 79,	3.3	24
55	Properties of Josephson junctions involving the cos(kx)?cos(ky) pairing state in iron pnictides. *Physical Review B*, **2009**, 80,	3.3	43
54	Magnetoelectric coupling in the multiferroic compound LiCu2O2. *Physical Review B*, **2009**, 79,	3.3	11
53	Quasiparticle scattering interference in superconducting iron pnictides. *Physical Review B*, **2009**, 80,	3.3	40
52	Impurity-induced bound states in iron-based superconductors with s-wave cos kx?cos ky pairing symmetry. *Physical Review B*, **2009**, 80,	3.3	54

51	Transition from three-dimensional anisotropic spin excitations to two-dimensional spin excitations by electron doping the FeAs-based BaFe1.96Ni0.04As2 superconductor. *Physical Review Letters*, **2009**, 103, 087005	7.4	34
50	Inelastic neutron-scattering measurements of a three-dimensional spin resonance in the FeAs-based BaFe1.9Ni0.1As2 superconductor. *Physical Review Letters*, **2009**, 102, 107006	7.4	161
49	Localization and the Kosterlitz-Thouless transition in disordered graphene. *Physical Review Letters*, **2009**, 102, 106401	7.4	133
48	Generation and detection of spin current in the three-terminal quantum dot. *Journal of Physics Condensed Matter*, **2009**, 21, 495304	1.8	6
47	Theory of magnetic order in Fe 1+ y Te 1- x Se x. *Europhysics Letters*, **2009**, 86, 67005	1.6	65
46	Spin waves and magnetic exchange interactions in CaFe2As2. *Nature Physics*, **2009**, 5, 555-560	16.2	331
45	Abnormal electronic transport in disordered graphene nanoribbon. *Physica B: Condensed Matter*, **2009**, 404, 2259-2262	2.8	7
44	First-order magnetic and structural phase transitions in Fe1+ySexTe1. *Physical Review B*, **2009**, 79,	3.3	455
43	Functional renormalization-group study of the doping dependence of pairing symmetry in the iron pnictide superconductors. *Physical Review B*, **2009**, 80,	3.3	98
42	Theory of quasiparticle scattering in a two-dimensional system of helical Dirac fermions: Surface band structure of a three-dimensional topological insulator. *Physical Review B*, **2009**, 80,	3.3	89
41	Evidence of magnetically driven structural phase transition in RFeAsO (R=La, Sm, Gd, and Tb): A low-temperature x-ray diffraction study. *Physical Review B*, **2009**, 80,	3.3	31
40	First-principles calculations of the electronic structure of tetragonal alpha-FeTe and alpha-FeSe crystals: evidence for a bicollinear antiferromagnetic order. *Physical Review Letters*, **2009**, 102, 177003	7.4	242
39	Pairing symmetry in a two-orbital exchange coupling model of oxypnictides. *Physical Review Letters* , **2008**, 101, 206404	7.4	332
38	Andreev conductance in the d+id?-wave superconducting states of graphene. *Physical Review B*, **2008**, 77,	3.3	46
37	Theory of electron nematic order in LaFeAsO. *Physical Review B*, **2008**, 77,	3.3	544
36	Spin and lattice structures of single-crystalline SrFe2As2. *Physical Review B*, **2008**, 78,	3.3	178
35	Quantum blockade and loop currents in graphene with topological defects. *Physical Review B*, **2008**, 78,	3.3	55
34	Low energy spin waves and magnetic interactions in SrFe2As2. *Physical Review Letters*, **2008**, 101, 167203	7.4	152

33	Microscopic origin of magnetoelectric coupling in noncollinear multiferroics. *Physical Review Letters*, **2008**, 100, 077202	7.4	42
32	An effective model of magnetoelectricity in multiferroics RMn 2 O 5. *Europhysics Letters*, **2008**, 82, 57005	1.6	9
31	Complementary pair-density-wave and d-wave-checkerboard orderings in high-temperature superconductors. *Physical Review B*, **2008**, 78,	3.3	19
30	Semiclassical theory of diffusive-ballistic crossover and the persistent spin helix. *Physical Review B*, **2008**, 78,	3.3	10
29	Experimental consequences of the s-wave cos(kx)cos(ky) superconductivity in the iron pnictides. *Physical Review B*, **2008**, 78,	3.3	94
28	Quantum phase transition in the quantum compass model. *Physical Review B*, **2007**, 75,	3.3	46
27	Exact mapping between classical and topological orders in two-dimensional spin systems. *Physical Review B*, **2007**, 76,	3.3	84
26	Proposed design of a Josephson diode. *Physical Review Letters*, **2007**, 99, 067004	7.4	11
25	d-wave checkerboard order in cuprates. *Physical Review B*, **2007**, 76,	3.3	30
24	Magnetic model of the tetragonal-orthorhombic transition in the cuprates. *Physical Review B*, **2006**, 74,	3.3	6
23	Accumulation of opposite spins on the transverse edges of a two-dimensional electron gas in a longitudinal electric field. *Physical Review B*, **2006**, 74,	3.3	23
22	Spin polarization and dichroism effects induced by an electric field. *Physical Review B*, **2006**, 73,	3.3	3
21	Competing order and the asymmetric tunneling spectrum in high temperature cuprate superconductors. *Physical Review B*, **2006**, 73,	3.3	5
20	Vortex configurations of bosons in an optical lattice. *Physical Review A*, **2004**, 69,	2.6	56
19	Non-Abelian Berry phase and Chern numbers in higher spin-pairing condensates. *Physical Review B*, **2004**, 69,	3.3	14
18	Dissipationless spin current in anisotropic p-doped semiconductors. *Physical Review B*, **2004**, 70,	3.3	20
17	Quasiparticle scattering and local density of states in the d-density-wave phase. *Physical Review B*, **2004**, 69,	3.3	32
16	On the detection of time-reversal symmetry breaking by photoemission with circularly polarized light in the high- T c superconductor Bi2212. *Philosophical Magazine Letters*, **2004**, 84, 105-107	1	7

15	Exact SO(5) symmetry in the spin-3/2 fermionic system. *Physical Review Letters*, **2003**, 91, 186402	7.4	232
14	SPIN CURRENT IN SPIN□ORBIT COUPLING SYSTEMS. *International Journal of Modern Physics B*, **2003**, 17, 5991-6000	1.1	31
13	Eight-dimensional quantum Hall effect and "Octonions". *Physical Review Letters*, **2003**, 91, 236803	7.4	85
12	Effective Field Theory Description of the Higher Dimensional Quantum Hall Liquid. *Annals of Physics*, **2002**, 300, 185-207	2.5	64
11	Theory of static and dynamic antiferromagnetic vortices in LSCO superconductors. *Journal of Physics and Chemistry of Solids*, **2002**, 63, 2277-2282	3.9	11
10	Collective excitations at the boundary of a four-dimensional quantum Hall droplet. *Physical Review B*, **2002**, 66,	3.3	19
9	Antiferromagnetism and hole pair checkerboard in the vortex state of high T(c) superconductors. *Physical Review Letters*, **2002**, 89, 137004	7.4	83
8	Dispersion of the □resonance in the superconducting state of the cuprates. *Physical Review B*, **2001**, 64,	3.3	12
7	Bilayer splitting in the electronic structure of heavily overdoped Bi(2)Sr(2)CaCu(2)O(8+delta). *Physical Review Letters*, **2001**, 86, 5550-3	7.4	207
6	A four-dimensional generalization of the quantum Hall effect. *Science*, **2001**, 294, 823-8	33.3	312
5	How to experimentally measure the number 5 of the SO(5) theory?. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 93-96	1.3	2
4	SO(5) superconductors in a Zeeman magnetic field. *Physical Review B*, **2000**, 62, R791-R794	3.3	4
3	Projected SO(5) models. *Physical Review B*, **1999**, 60, 13070-13084	3.3	42
2	Phase representation and its application in the analytical treatment of the theoretical sandpile. *Physical Review E*, **1994**, 49, R5-R7	2.4	2
1	Quantum phase transition from superconducting to insulating-like state in a pressurized cuprate superconductor. *Nature Physics*,	16.2	2