

# He-Chang Lei

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

202  
papers

5,078  
citations

39  
h-index

61  
g-index

228  
ext. papers

7,321  
ext. citations

6.4  
avg, IF

5.88  
L-index

#	Paper	IF	Citations
202	Charge-Density-Wave-Induced Peak-Dip-Hump Structure and the Multiband Superconductivity in a Kagome Superconductor $CsV_3Sb_5$ . <i>Physical Review Letters</i> , <b>2022</b> , 128, 036402	7.4	3
201	Time-reversal symmetry-breaking charge order in a kagome superconductor.. <i>Nature</i> , <b>2022</b> , 602, 245-250	50.4	10
200	Tri-hexagonal charge order in kagome metal $CsV_3Sb_5$ revealed by $^{121}Sb$ nuclear quadrupole resonance. <i>Chinese Physics B</i> , <b>2022</b> , 31, 017105	1.2	1
199	Layer-Number-Dependent Antiferromagnetic and Ferromagnetic Behavior in $MnSb_2Te_4$ . <i>Physical Review Letters</i> , <b>2022</b> , 128, 017201	7.4	5
198	Thermal transport and mixed valence in $ZrTe_3$ doped with Hf and Se. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 022601	3.4	0
197	Consecutive topological transitions of helical Fermi arcs at saddle points in $CoSi$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2022</b> , 65, 1	3.6	
196	Double-dome superconductivity under pressure in the V-based kagome metals $AV_3Sb_5$ (A=Rb and K). <i>Physical Review B</i> , <b>2022</b> , 105,	3.3	3
195	Microscopic evidence for anisotropic multigap superconductivity in the $CsV_3Sb_5$ kagome superconductor. <i>Npj Quantum Materials</i> , <b>2022</b> , 7,	5	3
194	Structures and physical properties of v-based kagome metals $CsV_6Sb_6$ and $CsV_8Sb_{12}$ *. <i>Chinese Physics Letters</i> , <b>2021</b> , 38, 127401	1.8	2
193	Quantum Transport Evidence of Topological Band Structures of Kagome Superconductor $CsV_3Sb_5$ . <i>Physical Review Letters</i> , <b>2021</b> , 127, 207002	7.4	15
192	Geometry of the charge density wave in the kagome metal $AV_3Sb_5$ . <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	8
191	Absence of Kondo effect in $CeNiGe_3$ revealed by coherent phonon dynamics. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	1
190	Spin excitations in metallic kagome lattice $FeSn$ and $CoSn$ . <i>Communications Physics</i> , <b>2021</b> , 4,	5.4	1
189	Unconventional charge density wave and photoinduced lattice symmetry change in the kagome metal $CsV_3Sb_5$ probed by time-resolved spectroscopy. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	11
188	Charge-Density-Wave-Induced Bands Renormalization and Energy Gaps in a Kagome Superconductor $RbV_3Sb_5$ . <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	14
187	Competition between charge-density-wave and superconductivity in the kagome metal $RbV_3Sb_5$ . <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	8
186	Superconductivity and Normal-State Properties of Kagome Metal $RbV_3Sb_5$ Single Crystals. <i>Chinese Physics Letters</i> , <b>2021</b> , 38, 037403	1.8	67

185	Dirac cone, flat band and saddle point in kagome magnet YMnSn. <i>Nature Communications</i> , <b>2021</b> , 12, 3129	7.4	19
184	Observation of a chiral wave function in the twofold-degenerate quadruple Weyl system BaPtGe. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	1
183	Structural Monoclinicity and Its Coupling to Layered Magnetism in Few-Layer CrI. <i>ACS Nano</i> , <b>2021</b> , 15, 10444-10450	16.7	2
182	Double Superconducting Dome and Triple Enhancement of $T_c$ in the Kagome Superconductor CsV <sub>3</sub> Sb <sub>5</sub> under High Pressure. <i>Physical Review Letters</i> , <b>2021</b> , 126, 247001	7.4	63
181	Effects of disorder and hydrostatic pressure on charge density wave and superconductivity in 2H-TaS <sub>2</sub> . <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	4
180	Intrinsic nature of chiral charge order in the kagome superconductor RbV <sub>3</sub> Sb <sub>5</sub> . <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	22
179	S-Wave Superconductivity in Kagome Metal CsV <sub>3</sub> Sb <sub>5</sub> Revealed by 121/123Sb NQR and 51V NMR Measurements. <i>Chinese Physics Letters</i> , <b>2021</b> , 38, 077402	1.8	30
178	Charge Density Wave Orders and Enhanced Superconductivity under Pressure in the Kagome Metal CsV <sub>3</sub> Sb <sub>5</sub> . <i>Advanced Materials</i> , <b>2021</b> , 33, e2102813	24	7
177	Roton pair density wave in a strong-coupling kagome superconductor. <i>Nature</i> , <b>2021</b> , 599, 222-228	50.4	47
176	Electronic correlation effects in the kagome magnet GdMn <sub>6</sub> Sn <sub>6</sub> . <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	2
175	Direct observation of competition between charge order and itinerant ferromagnetism in the van der Waals crystal Fe <sub>5</sub> GeTe <sub>2</sub> . <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	5
174	Field-induced topological Hall effect and double-fan spin structure with a c-axis component in the metallic kagome antiferromagnetic compound YMn <sub>6</sub> Sn <sub>6</sub> . <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	17
173	Localized spin-orbit polaron in magnetic Weyl semimetal CoSnS. <i>Nature Communications</i> , <b>2020</b> , 11, 5613	17.4	26
172	Magnetotransport properties of compensated semimetal HfB with high-density light carriers. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 015601	1.8	1
171	Superconducting properties of MgCu-type Laves phase compounds SrRh and BaRh. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 295601	1.8	2
170	Raman scattering study of two-dimensional magnetic van der Waals compound V <sub>1</sub> 3. <i>Chinese Physics B</i> , <b>2020</b> , 29, 056301	1.2	6
169	Magnetic-Field-Induced Quantum Phase Transitions in a van der Waals Magnet. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	20
168	Physical Properties of [A <sub>6</sub> Cl][Fe <sub>24</sub> Se <sub>26</sub> ](A = K, Rb) with Self-Similar Structure. <i>Chinese Physics Letters</i> , <b>2020</b> , 37, 017401	1.8	

167	Memristive Switching: Magneto-Memristive Switching in a 2D Layer Antiferromagnet (Adv. Mater. 2/2020). <i>Advanced Materials</i> , <b>2020</b> , 32, 2070010	24	
166	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological kagome magnet. <i>Nature Communications</i> , <b>2020</b> , 11, 559	17.4	47
165	Pressure effect on the anomalous Hall effect of ferromagnetic Weyl semimetal Co <sub>3</sub> Sn <sub>2</sub> S <sub>2</sub> . <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	5
164	Giant topological Hall effect of ferromagnetic kagome metal Fe <sub>3</sub> Sn <sub>2</sub> . <i>Chinese Physics B</i> , <b>2020</b> , 29, 017101	1.2	8
163	Atomically flat surface preparation for surface-sensitive technologies. <i>Chinese Physics B</i> , <b>2020</b> , 29, 028101	1.2	2
162	Novel Superstructure-Phase Two-Dimensional Material 1-VSe at High Pressure. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 380-386	6.4	11
161	Mott Transition and Superconductivity in Quantum Spin Liquid Candidate NaYbSe <sub>2</sub> . <i>Chinese Physics Letters</i> , <b>2020</b> , 37, 097404	1.8	12
160	Magnetic topological insulator MnBi <sub>6</sub> Te <sub>10</sub> with a zero-field ferromagnetic state and gapped Dirac surface states. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	23
159	Electronic correlations and flattened band in magnetic Weyl semimetal candidate CoSnS. <i>Nature Communications</i> , <b>2020</b> , 11, 3985	17.4	19
158	Fermion-boson many-body interplay in a frustrated kagome paramagnet. <i>Nature Communications</i> , <b>2020</b> , 11, 4003	17.4	14
157	Tuning of Magnetic Properties of RuCl <sub>3</sub> Single Crystal by Cr Doping. <i>Chinese Physics Letters</i> , <b>2020</b> , 37, 067501	1.8	0
156	Spin-Reorientation-Induced Band Gap in Fe <sub>3</sub> Sn <sub>2</sub> : Optical Signatures of Weyl Nodes. <i>Physical Review Letters</i> , <b>2020</b> , 125, 076403	7.4	6
155	Orbital-selective Dirac fermions and extremely flat bands in frustrated kagome-lattice metal CoSn. <i>Nature Communications</i> , <b>2020</b> , 11, 4002	17.4	38
154	Spontaneous (Anti)meron Chains in the Domain Walls of van der Waals Ferromagnetic Fe <sub>3</sub> GeTe <sub>2</sub> . <i>Advanced Materials</i> , <b>2020</b> , 32, e2005228	24	16
153	Spin-orbit quantum impurity in a topological magnet. <i>Nature Communications</i> , <b>2020</b> , 11, 4415	17.4	20
152	Observation of the polaronic character of excitons in a two-dimensional semiconducting magnet CrI <sub>3</sub> . <i>Nature Communications</i> , <b>2020</b> , 11, 4780	17.4	12
151	Tunable layered-magnetism-assisted magneto-Raman effect in a two-dimensional magnet CrI <sub>3</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 24664-24669	11.5	8
150	Imaging Domain Reversal in an Ultrathin Van der Waals Ferromagnet. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003314	24	18

149	Magneto-Memristive Switching in a 2D Layer Antiferromagnet. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905433	24	12
148	Local orbital degeneracy lifting as a precursor to an orbital-selective Peierls transition. <i>Nature Communications</i> , <b>2019</b> , 10, 3638	17.4	21
147	Ultrafast extreme rejuvenation of metallic glasses by shock compression. <i>Science Advances</i> , <b>2019</b> , 5, eaaw6249	17.5	29
146	Anisotropic magnetic entropy change in the hard ferromagnetic semiconductor VI3. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	22
145	Evolution of interlayer and intralayer magnetism in three atomically thin chromium trihalides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11131-11136	11.5	120
144	Phonon anomalies and magnetic excitations in BaFe2Se2O. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	3
143	Observation of unconventional chiral fermions with long Fermi arcs in CoSi. <i>Nature</i> , <b>2019</b> , 567, 496-499	50.4	129
142	Large magnetocaloric effect in van der Waals crystal CrBr3. <i>Frontiers of Physics</i> , <b>2019</b> , 14, 1	3.7	12
141	Ferromagnetic van der Waals Crystal VI. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 5326-5333	16.4	88
140	Intertwined Magnetic and Nematic Orders in Semiconducting $KFe_{0.8}Ag_{1.2}Te_2$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 087201	7.4	8
139	Quaternary antiferromagnetic Ba2BiFe5S with isolated FeS4 tetrahedra. <i>Chinese Physics B</i> , <b>2019</b> , 28, 087401	1.2	1
138	Probing the direct factor for superconductivity in FeSe-Based Superconductors by Raman Scattering. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	6
137	Tailored Tunnel Magnetoresistance Response in Three Ultrathin Chromium Trihalides. <i>Nano Letters</i> , <b>2019</b> , 19, 5739-5745	11.5	29
136	Magnetic-Field Control of Topological Electronic Response near Room Temperature in Correlated Kagome Magnets. <i>Physical Review Letters</i> , <b>2019</b> , 123, 196604	7.4	12
135	Negative flat band magnetism in a spin-orbit-coupled correlated kagome magnet. <i>Nature Physics</i> , <b>2019</b> , 15, 443-448	16.2	132
134	FePdSe: Magnetic Spin-Glass Polymorph of FeSe and PdSe Stable at Ambient Pressure. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 3107-3114	5.1	2
133	Dirac Surface States in Intrinsic Magnetic Topological Insulators EuSn2As2 and MnBi2nTe3n+1. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	99
132	Chiral fermion reversal in chiral crystals. <i>Nature Communications</i> , <b>2019</b> , 10, 5505	17.4	17

131	Intrinsic Anomalous Nernst Effect Amplified by Disorder in a Half-Metallic Semimetal. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	21
130	Quasiparticle interference evidence of the topological Fermi arc states in chiral fermionic semimetal CoSi. <i>Science Advances</i> , <b>2019</b> , 5, eaaw9485	14.3	15
129	Phononic Helical Nodal Lines with PT Protection in MoB <sub>2</sub> . <i>Physical Review Letters</i> , <b>2019</b> , 123, 245302	7.4	20
128	Physical properties of quaternary compounds Gd <sub>2</sub> CoAl <sub>4</sub> T <sub>2</sub> (T = Si, Ge) single crystals. <i>Frontiers of Physics</i> , <b>2019</b> , 14, 1	3.7	2
127	Local corrugation and persistent charge density wave in ZrTe <sub>3</sub> with Ni intercalation. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	12
126	High-T <sub>c</sub> superconductivity up to 55 K under high pressure in a heavily electron doped Li <sub>0.36</sub> (NH <sub>3</sub> ) <sub>y</sub> Fe <sub>2</sub> Se <sub>2</sub> single crystal. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	33
125	One Million Percent Tunnel Magnetoresistance in a Magnetic van der Waals Heterostructure. <i>Nano Letters</i> , <b>2018</b> , 18, 4885-4890	11.5	147
124	Extremely large magnetoresistance and high-density Dirac-like fermions in ZrB <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	10
123	Experimental Observation of Dirac Nodal Links in Centrosymmetric Semimetal TiB <sub>2</sub> . <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	32
122	Transport properties of Li <sub>x</sub> (NH <sub>3</sub> ) <sub>y</sub> Fe <sub>2</sub> (Te <sub>z</sub> Se <sub>1-z</sub> ) <sub>2</sub> single crystals in the mixed state. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 015003	3.1	2
121	On the Nanoscale Structure of K <sub>x</sub> Fe <sub>2</sub> Ch <sub>2</sub> (Ch = S, Se): A Neutron Pair Distribution Function View. <i>Condensed Matter</i> , <b>2018</b> , 3, 20	1.8	2
120	Raman fingerprint of two terahertz spin wave branches in a two-dimensional honeycomb Ising ferromagnet. <i>Nature Communications</i> , <b>2018</b> , 9, 5122	17.4	68
119	Thermoelectric studies of Ir <sub>1-x</sub> Rh <sub>x</sub> Te <sub>2</sub> (0 ≤ x ≤ 0.3). <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
118	Observation of cyclotron antiresonance in the topological insulator Bi <sub>2</sub> Te <sub>3</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	1
117	Large intrinsic anomalous Hall effect in half-metallic ferromagnet CoSnS with magnetic Weyl fermions. <i>Nature Communications</i> , <b>2018</b> , 9, 3681	17.4	240
116	Experimental observation of bulk nodal lines and electronic surface states in ZrB <sub>2</sub> . <i>Npj Quantum Materials</i> , <b>2018</b> , 3,	5	27
115	Absence of local fluctuating dimers in superconducting Ir <sub>1-x</sub> (Pt,Rh) <sub>x</sub> Te <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	7
114	Evidence of topological insulator state in the semimetal LaBi. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	42

113	Critical current density and vortex pinning mechanism of $\text{Li}_x(\text{NH}_3)_y\text{Fe}_2\text{Te}_{1.2}\text{Se}_{0.8}$ single crystals. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 115005	3.1	3
112	Enhanced superconductivity and anisotropy of $\text{FeTe}_{0.6}\text{Se}_{0.4}$ single crystals with $\text{Li}\text{NH}_3$ intercalation. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6
111	Robust short-range-ordered nematicity in FeSe evidenced by high-pressure NMR. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	15
110	Quasi-two-dimensional superconductivity from dimerization of atomically ordered $\text{AuTeSe}$ cubes. <i>Nature Communications</i> , <b>2017</b> , 8, 871	17.4	7
109	Extreme anisotropy and anomalous transport properties of heavily electron doped $\text{Li}_x(\text{NH}_3)_y\text{Fe}_2\text{Se}_2$ single crystals. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	27
108	Large magnetoresistance in the type-II Weyl semimetal WP2. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	26
107	Massive fermions with low mobility in antiferromagnet orthorhombic $\text{CuMnAs}$ single crystals. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
106	Narrow-gap semiconducting properties of $\text{KMgBi}$ with multiband feature. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	5
105	Superconductivity in Alkaline Earth Metal-Filled Skutterudites $\text{Ba}_2\text{X}$ ( $\text{X} = \text{As}, \text{P}$ ). <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8106-8109	16.4	9
104	Interplay of magnetism and superconductivity in the compressed Fe-ladder compound $\text{BaFe}_2\text{Se}_3$ . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	47
103	Anomalous Hall effect in a ferromagnetic $\text{Fe}_3\text{Sn}_2$ single crystal with a geometrically frustrated Fe bilayer kagome lattice. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	60
102	Compensated Semimetal $\text{LaSb}$ with Unsaturated Magnetoresistance. <i>Physical Review Letters</i> , <b>2016</b> , 117, 127204	7.4	104
101	Strong charge density wave fluctuation and sliding state in $\text{PdTeI}$ with quasi-one-dimensional $\text{PdTe}$ chains. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	5
100	Emergence of topological bands on the surface of $\text{ZrSnTe}$ crystal. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	50
99	Type-I superconductivity in $\text{KBiTe}$ single crystals. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 085701	1.8	13
98	Pressure Induced Stripe-Order Antiferromagnetism and First-Order Phase Transition in FeSe. <i>Physical Review Letters</i> , <b>2016</b> , 117, 237001	7.4	53
97	Large magnetoresistance in $\text{LaBi}$ : origin of field-induced resistivity upturn and plateau in compensated semimetals. <i>New Journal of Physics</i> , <b>2016</b> , 18, 082002	2.9	101
96	Modulation effect of interlayer spacing on the superconductivity of electron-doped FeSe-based intercalates. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 3346-51	5.1	36

95	Lattice dynamics of BaFe <sub>2</sub> X <sub>3</sub> (X=S,Se) compounds. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	9
94	Local structure study of Fe dopants in Ni-deficient Ni <sub>3</sub> Al alloys. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 651, 705-711	5.7	4
93	Evidence of superconductivity-induced phonon spectra renormalization in alkali-doped iron selenides. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 485701	1.8	5
92	Spin glass in semiconducting KFe <sub>1.05</sub> Ag <sub>0.88</sub> Te <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	6
91	Insulating and metallic spin glass in Ni-doped K <sub>x</sub> Fe <sub>2-y</sub> Se <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	6
90	Ligand-Hole in [Sn16] Unit and Origin of Band Gap in Photovoltaic Perovskite Variant Cs <sub>2</sub> Sn16. <i>Bulletin of the Chemical Society of Japan</i> , <b>2015</b> , 88, 1250-1255	5.1	83
89	Structural, magnetic, and electrical properties of Li <sub>2</sub> Ir <sub>1-x</sub> Ru <sub>x</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	28
88	Enhanced low temperature thermoelectric performance of Ag-doped BiCuSeO. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 082109	3.4	28
87	Two-Dimensional Transition-Metal Electride Y <sub>2</sub> C. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 6638-6643	9.6	113
86	Narrow bandgap in BaZnAs <sub>2</sub> and its chemical origins. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 14959-65	16.4	25
85	CuSe-based layered compound Bi <sub>2</sub> YO <sub>4</sub> Cu <sub>2</sub> Se <sub>2</sub> as a quasi-two-dimensional metal. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	11
84	Epitaxial antiperovskite superconducting CuNNi <sub>3</sub> thin films synthesized by chemical solution deposition. <i>Chemical Communications</i> , <b>2014</b> , 50, 12734-7	5.8	19
83	Superconductivity and phase instability of NH <sub>3</sub> -free Na-intercalated FeSe(1-z)S(z). <i>Nature Communications</i> , <b>2014</b> , 5, 4756	17.4	70
82	Layered compounds BaM <sub>2</sub> Ge <sub>4</sub> Ch <sub>6</sub> (M = Rh, Ir and Ch = S, Se) with pyrite-type building blocks and Ge-Ch heteromolecule-like anions. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 5684-91	5.1	3
81	Layered oxyselenides Sr <sub>2</sub> Co <sub>1-x</sub> Mn <sub>x</sub> O <sub>2</sub> Cu <sub>2</sub> Se <sub>2</sub> : The evolution of magnetic properties tuned by the competed interactions. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 598, 171-176	5.7	5
80	Signatures of the spin-phonon coupling in . <i>Solid State Communications</i> , <b>2014</b> , 193, 51-55	1.6	12
79	Magnetic and Transport Properties Based on Transition-Metal Compounds. <i>Advances in Condensed Matter Physics</i> , <b>2014</b> , 2014, 1-2	1	
78	Physical properties of K(x)Ni(2-y)Se <sub>2</sub> single crystals. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 015701	0.8	4



77	Evolution of the Pauli spin-paramagnetic effect on the upper critical fields of single-crystalline $K_xFe_{2-x}Se_2S_z$ . <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	2
76	Probing IrTe <sub>2</sub> crystal symmetry by polarized Raman scattering. <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	14
75	Phonon and magnetic dimer excitations in Fe-based S=2 spin-ladder compound BaFe <sub>2</sub> Se <sub>2</sub> O. <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	9
74	Upper critical field and vortex phase diagram of polycrystalline $Mo_{1-x}Zr_xN$ thin films by sol-gel. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 033905	2-5	2
73	Emergence of magnetism and controlling factors of superconductivity in Li/Na-ammonia cointercalated FeSe <sub>1-x</sub> Te <sub>x</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	13
72	Excitation spectrum in Ni- and Cu-doped ZrTe <sub>3</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	5
71	Superconductivity in noncentrosymmetric ternary equiatomic pnictides LaMP (M = Ir and Rh; P = P and As). <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	32
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68	Electron spin resonance study of a CuIr <sub>2</sub> S <sub>4</sub> single crystal. <i>Philosophical Magazine</i> , <b>2013</b> , 93, 1132-1141	1-6	5
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64	Lattice dynamics of KNi <sub>2</sub> Se <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	13
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57	Iron chalcogenide superconductors at high magnetic fields. <i>Science and Technology of Advanced Materials</i> , <b>2012</b> , 13, 054305	7-1	29
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55	Superconducting state in the metastable binary bismuthide Rh <sub>3</sub> Bi <sub>14</sub> single crystals. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	1
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53	Multiband effects on FeSe single crystals. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	46
52	Vacancy-induced nanoscale phase separation in KxFe <sub>2</sub> Se <sub>2</sub> single crystals evidenced by Raman scattering and powder x-ray diffraction. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	42
51	Critical fields, thermally activated transport, and critical current density of FeSe single crystals. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	69
50	Giant increase in critical current density of KxFe <sub>2</sub> Se <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	33
49	Quantum transport of two-dimensional Dirac fermions in SrMnBi <sub>2</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	96
48	Effects of Mg substitution on the structural, optical, and electrical properties of CuAlO <sub>2</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 1768-1773	5-7	32
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46	Coexistence of bulk superconductivity and charge density wave in CuxZrTe <sub>3</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 106, 246404	7-4	40
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41	Se77 NMR investigation of the $KxFe_2ySe_2$ high-Tc superconductor ( $T_c=33$ K). <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	71
40	Spin-glass behavior of semiconducting $KxFe_2yS_2$ . <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	46
39	Critical current density and mechanism of vortex pinning in $KxFe_2ySe_2$ doped with S. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	11
38	Phase diagram of $K(x)Fe(2-y)Se(2-z)S(z)$ and the suppression of its superconducting state by an Fe2-Se/S tetrahedron distortion. <i>Physical Review Letters</i> , <b>2011</b> , 107, 137002	7-4	62
37	Phonon and magnon excitations in block-antiferromagnetic $K0.88Fe1.63S2$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	16
36	Thermoelectric studies of $KxFe_2ySe_2$ indicating a weakly correlated superconductor. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	22
35	Anisotropy in $BaFe_2Se_3$ single crystals with double chains of FeSe tetrahedra. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	64
34	Antiferromagnetism in semiconducting $KFe0.85Ag1.15Te_2$ single crystals. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	19
33	Evolution of correlation strength in $KxFe_2ySe_2$ superconductor doped with S. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	13
32	Upper critical fields and superconducting anisotropy of $K0.70Fe1.55Se1.01S0.99$ and $K0.76Fe1.61Se0.96S1.04$ single crystals. <i>Europhysics Letters</i> , <b>2011</b> , 95, 57006	1-6	10
31	Raising $T_c$ in charge density wave superconductor $ZrTe_3$ by Ni intercalation. <i>Europhysics Letters</i> , <b>2011</b> , 95, 17011	1-6	21
30	Pauli-limited upper critical field of $Fe_{1+y}Te_{1-x}S_x$ . <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	102
29	Thermally activated energy and flux-flow Hall effect of $Fe_{1+y}(Te_{1-x}S_x)_z$ . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	43
28	Effects of excess Fe on upper critical field and magnetotransport in $Fe_{1+y}(Te_{1-x}S_x)_z$ . <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	35
27	Study on chemical solution deposition of aluminum-doped zinc oxide films. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 505, 434-442	5-7	11
26	Influence of annealing temperature on surface morphology and magnetic properties of $Ni_{0.7}Zn_{0.3}Fe_2O_4$ ferrite thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2010</b> , 167, 70-73	3-1	16
25	Preparation and characterization of $CuAlO_2$ transparent thin films prepared by chemical solution deposition method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2010</b> , 53, 641-646	2-3	37
24	Growth and photoluminescence of (00l)-oriented $RMoO_4$ films by chemical solution deposition. <i>Materials Letters</i> , <b>2010</b> , 64, 344-346	3-3	7

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22	Crossover of critical behavior in $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Ti}_x\text{O}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 242-246	2.8	42
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18	Growth and optical properties of transparent $\text{CaMoO}_4$ films by chemical solution deposition on Si and glass substrates. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 045404	3	9
17	Crystal growth and superconductivity of $\text{FeSe}_x$ . <i>Superconductor Science and Technology</i> , <b>2009</b> , 22, 015020	3.1	53
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15	Superconductivity and single crystal growth of $\text{Ni}_{0.05}\text{TaS}_2$ . <i>Solid State Communications</i> , <b>2009</b> , 149, 1296-1299	1.899	11
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13	Large magnetoresistance induced by surface ferromagnetism in A-type antiferromagnetic $\text{La}_{0.4}\text{Sr}_{0.6}\text{MnO}_3$ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 2009-2014	2.8	10
12	Superconductivity of $\text{FeSe}_{0.89}$ crystal with hexagonal and tetragonal structures. <i>Superconductor Science and Technology</i> , <b>2009</b> , 22, 075016	3.1	24
11	Effects of citric acid on properties of single phase $\text{CuAlO}_2$ thin films derived by chemical solution deposition. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 487, 404-408	5.7	15
10	Effects of magnetic field on grain growth of non-ferromagnetic metals: A Monte Carlo simulation. <i>Europhysics Letters</i> , <b>2009</b> , 85, 38004	1.6	6
9	Kinetic versus thermodynamic control over growth process of electrodeposited Bi/BiSb superlattice nanowires. <i>Nano Letters</i> , <b>2008</b> , 8, 1286-90	11.5	67
8	Preparation of $\text{SrMoO}_4$ thin films on Si substrates by chemical solution deposition. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 789-793	1.6	30
7	Chemical Solution Deposition of $\text{LaMnO}_3$ Buffer Layers for Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 3880-3885	1.8	2
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3	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 3819-3823	1.8	8
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1	Manipulation of Dirac band curvature and momentum-dependent g factor in a kagome magnet. <i>Nature Physics</i> ,	16.2	2