

J-G Cheng

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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.

220
papers

5,778
citations

37
h-index

69
g-index

246
ext. papers

6,961
ext. citations

5.1
avg, IF

5.64
L-index

#	Paper	IF	Citations
220	Prussian blue: a new framework of electrode materials for sodium batteries. <i>Chemical Communications</i> , 2012 , 48, 6544-6	5.8	758
219	A superior low-cost cathode for a Na-ion battery. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1964-7	16.4	586
218	Dome-shaped magnetic order competing with high-temperature superconductivity at high pressures in FeSe. <i>Nature Communications</i> , 2016 , 7, 12146	17.4	161
217	Superconductivity in the vicinity of antiferromagnetic order in CrAs. <i>Nature Communications</i> , 2014 , 5, 5508	17.4	148
216	Crystal growth and magnetic structure of MnBi ₂ Te ₄ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	140
215	Comparison of the high temperature thermoelectric properties for Ag-doped and Ag-added Ca ₃ Co ₄ O ₉ . <i>Journal of Alloys and Compounds</i> , 2009 , 477, 817-821	5.7	134
214	Enhancement of the Nernst effect by stripe order in a high-T(c) superconductor. <i>Nature</i> , 2009 , 458, 743-50.4	50.4	117
213	High lithium ion conduction in garnet-type Li ₆ La ₃ ZrTaO ₁₂ . <i>Electrochemistry Communications</i> , 2011 , 13, 1289-1292	5.1	110
212	High-pressure sequence of Ba ₃ NiSb ₂ O ₉ structural phases: new S = 1 quantum spin liquids based on Ni ²⁺ . <i>Physical Review Letters</i> , 2011 , 107, 197204	7.4	104
211	High temperature transport and thermoelectric properties of Ag-substituted Ca ₃ Co ₄ O ₉ +δ system. <i>Journal of Alloys and Compounds</i> , 2008 , 448, 1-5	5.7	103
210	Pressure induced superconductivity on the border of magnetic order in MnP. <i>Physical Review Letters</i> , 2015 , 114, 117001	7.4	99
209	Intrinsic structural distortion and superexchange interaction in the orthorhombic rare-earth perovskites RCrO ₃ . <i>Physical Review B</i> , 2010 , 81,	3.3	94
208	Sr ₂ CoMoO ₆ anode for solid oxide fuel cell running on H ₂ and CH ₄ fuels. <i>Journal of Power Sources</i> , 2011 , 196, 1738-1743	8.9	69
207	Maximizing T by tuning nematicity and magnetism in FeSe S superconductors. <i>Nature Communications</i> , 2017 , 8, 1143	17.4	66
206	A Superior Low-Cost Cathode for a Na-Ion Battery. <i>Angewandte Chemie</i> , 2013 , 125, 2018-2021	3.6	66
205	Double Superconducting Dome and Triple Enhancement of T _c in the Kagome Superconductor CsV ₃ Sb ₅ under High Pressure. <i>Physical Review Letters</i> , 2021 , 126, 247001	7.4	63
204	Pseudogap temperature T* of cuprate superconductors from the Nernst effect. <i>Physical Review B</i> , 2018 , 97,	3.3	60

203	High pressure route to generate magnetic monopole dimers in spin ice. <i>Nature Communications</i> , 2011 , 2, 478	17.4	59
202	Magnetic coupling between Sm ³⁺ and the canted spin in an antiferromagnetic SmFeO ₃ single crystal. <i>Physical Review B</i> , 2012 , 86,	3.3	57
201	Chemical pressure effects on pyrochlore spin ice. <i>Physical Review Letters</i> , 2012 , 108, 207206	7.4	57
200	Oxygen-Deficient Perovskite Sr _{0.7} Y _{0.3} CoO _{2.65} as a Cathode for Intermediate-Temperature Solid Oxide Fuel Cells. <i>Chemistry of Materials</i> , 2011 , 23, 5037-5044	9.6	54
199	Doping-Induced Metal-Insulator Transition and the Thermal Transport Properties in Ca _{3-x} Y _x Co ₄ O ₉ . <i>Journal of Physical Chemistry C</i> , 2010 , 114, 5174-5181	3.8	53
198	High-T _c Superconductivity in FeSe at High Pressure: Dominant Hole Carriers and Enhanced Spin Fluctuations. <i>Physical Review Letters</i> , 2017 , 118, 147004	7.4	51
197	Integrated-fin gasket for palm cubic-anvil high pressure apparatus. <i>Review of Scientific Instruments</i> , 2014 , 85, 093907	1.7	51
196	Critical behavior of the ferromagnetic perovskites RTiO ₃ (R = Dy, Ho, Er, Tm, Yb) by magnetocaloric measurements. <i>Physical Review B</i> , 2013 , 87,	3.3	51
195	Reemergence of high-T superconductivity in the (LiFe) ₂ OFeSe under high pressure. <i>Nature Communications</i> , 2018 , 9, 380	17.4	50
194	Ultrastrong Boron Frameworks in ZrB ₂ : A Highway for Electron Conducting. <i>Advanced Materials</i> , 2017 , 29, 1604003	24	50
193	Enhanced electron correlation in rare-earth doped Ca ₃ Co ₄ O ₉ . <i>Applied Physics Letters</i> , 2010 , 97, 062114	3.4	50
192	Transition from orbital liquid to Jahn-Teller insulator in orthorhombic perovskites RTiO ₃ . <i>Physical Review Letters</i> , 2008 , 101, 087205	7.4	50
191	Chemical pressure effects on magnetism in the quantum spin liquid candidates Yb ₂ X ₂ O ₇ (X=Sn, Ti, Ge). <i>Physical Review B</i> , 2014 , 89,	3.3	48
190	Hardness, elastic, and electronic properties of chromium monoboride. <i>Applied Physics Letters</i> , 2015 , 106, 221902	3.4	46
189	Critical behavior of the paramagnetic to antiferromagnetic transition in orthorhombic and hexagonal phases of RMnO ₃ (R=Sm, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y). <i>Physical Review B</i> , 2012 , 85,	3.3	45
188	Critical behavior of the ferromagnetic perovskite BaRuO ₃ . <i>Physical Review Letters</i> , 2008 , 101, 077206	7.4	42
187	Bipolar Conduction as the Possible Origin of the Electronic Transition in Pentatellurides: Metallic vs Semiconducting Behavior. <i>Physical Review X</i> , 2018 , 8,	9.1	41
186	Charge Transfer Induced Multifunctional Transitions with Sensitive Pressure Manipulation in a Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2015 , 54, 6433-8	5.1	39

185	Antiferromagnetic order in the pyrochlores R ₂ Ge ₂ O ₇ (R=Er,Yb). <i>Physical Review B</i> , 2015 , 92,	3.3	38
184	High Temperature Metal-Insulator Transition Induced by Rare-Earth Doping in Perovskite CaMnO ₃ . <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12509-12516	3.8	37
183	Zhang-Rice physics and anomalous copper states in A-site ordered perovskites. <i>Scientific Reports</i> , 2013 , 3, 1834	4.9	35
182	Exchange field on the rare earth Sm ³⁺ in a single crystal perovskite SmMnO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	35
181	High-pressure synthesis and physical properties of perovskite and post-perovskite Ca _{1-x} Sr _x IrO ₃ . <i>Physical Review B</i> , 2011 , 83,	3.3	34
180	Anisotropic Superconducting Properties of Kagome Metal CsV ₃ Sb ₅ . <i>Chinese Physics Letters</i> , 2021 , 38, 057403	1.8	34
179	High-T _c superconductivity up to 55 K under high pressure in a heavily electron doped Li _{0.36} (NH ₃) _y Fe ₂ Se ₂ single crystal. <i>Physical Review B</i> , 2018 , 97,	3.3	33
178	Strong enhancement of spin ordering by A-site magnetic ions in the ferrimagnet CaCu ₃ Fe ₂ O _s 2O ₁₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	33
177	High antiferromagnetic transition temperature of the honeycomb compound SrRu ₂ O ₆ . <i>Physical Review B</i> , 2015 , 92,	3.3	33
176	Charge disproportionation and the pressure-induced insulator-metal transition in cubic perovskite PbCrO ₃ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1670-4	11.5	31
175	A new pnictide superconductor without iron. <i>Journal of the American Chemical Society</i> , 2010 , 132, 908-9	16.4	31
174	A new perovskite polytype in the high-pressure sequence of BaIrO ₃ . <i>Journal of the American Chemical Society</i> , 2009 , 131, 7461-9	16.4	31
173	Statics and dynamics of the highly correlated spin ice Ho ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2012 , 86,	3.3	29
172	Pressure effect on the structural transition and suppression of the high-spin state in the triple-layer TPLa ₄ Ni ₃ O ₈ . <i>Physical Review Letters</i> , 2012 , 108, 236403	7.4	29
171	Orbital fluctuations and orbital flipping in RVO ₃ perovskites. <i>Physical Review Letters</i> , 2007 , 99, 197201	7.4	28
170	Pressure dependence of the magnetic ground states in MnP. <i>Physical Review B</i> , 2016 , 93,	3.3	27
169	Characterization of the Double Perovskite Ba ₂ BixSc _{0.2} Co _{1.8} O ₆ (x = 0.1, 0.2). <i>Chemistry of Materials</i> , 2012 , 24, 4114-4122	9.6	26
168	Enhancement of low-field magnetoresistance in polycrystalline Sr ₂ FeMoO ₆ with Al doping. <i>Applied Physics Letters</i> , 2004 , 85, 269-271	3.4	26

167	Pressure-induced bulk superconductivity in a layered transition-metal dichalcogenide 1T-tantalum selenium. <i>Physical Review B</i> , 2017 , 95,	3.3	25
166	Synthesis and Characterization of Sr ₂ Cu(W _{1-x} Mox)O ₆ : A Quasi-Two-Dimensional Magnetic System. <i>Chemistry of Materials</i> , 2012 , 24, 2764-2774	9.6	25
165	Thermal conductivity, electron transport, and magnetic properties of single-crystal Ca ₃ Co ₂ O ₆ . <i>Physical Review B</i> , 2009 , 79,	3.3	25
164	Slater Insulator in Iridate Perovskites with Strong Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2016 , 117, 176603	7.4	23
163	Critical behavior of ferromagnetic perovskite ruthenates. <i>Physical Review B</i> , 2012 , 85,	3.3	23
162	Orbital hybridization in RVO ₃ perovskites: A high-pressure study. <i>Physical Review B</i> , 2009 , 80,	3.3	23
161	Pressure-induced phase transitions and superconductivity in a black phosphorus single crystal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9935-9940	11.5	23
160	Large negative magnetoresistance of a nearly Dirac material: Layered antimonide EuMnSb ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	22
159	Abnormal elastic and vibrational behaviors of magnetite at high pressures. <i>Scientific Reports</i> , 2014 , 4, 6282	4.9	22
158	Evolution of ferromagnetism in orthorhombic perovskites Sr _{1-x} PbxRuO ₃ . <i>Physical Review B</i> , 2010 , 81,	3.3	22
157	Specific heat of single-crystal PrMnO. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 5869-5879	1.8	22
156	Suppression of the antiferromagnetic metallic state in the pressurized MnBi ₂ Te ₄ single crystal. <i>Physical Review Materials</i> , 2019 , 3,	3.2	22
155	Possible Kondo physics near a metal-insulator crossover in the a-site ordered perovskite CaCu ₃ Ir ₄ O ₁₂ . <i>Physical Review Letters</i> , 2013 , 111, 176403	7.4	21
154	Quantum-critical phase from frustrated magnetism in a strongly correlated metal. <i>Nature Physics</i> , 2019 , 15, 1261-1266	16.2	21
153	Spin and orbital ordering in Y _{1-x} LaxVO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	20
152	Spiral magnetic order and pressure-induced superconductivity in transition metal compounds. <i>Nature Communications</i> , 2016 , 7, 13037	17.4	19
151	Effect of an Internal Electric Field on the Redox Energies of ALnTiO ₄ (A = Na or Li, Ln = Y or Rare-Earth). <i>Chemistry of Materials</i> , 2013 , 25, 3852-3857	9.6	19
150	Incipient ferromagnetism in Tb ₂ Ge ₂ O ₇ : application of chemical pressure to the enigmatic spin-liquid compound Tb ₂ Ti ₂ O ₇ . <i>Physical Review Letters</i> , 2014 , 113, 267205	7.4	19

149	Pressure dependence of metal-insulator transition in perovskites RNiO ₃ (R=Eu, Y, Lu). <i>Physical Review B</i> , 2010 , 82,	3.3	19
148	Efficient room temperature thermoelectric characteristics of Ca _{3-x} Ag _x Co ₄ O _{9+y} /Ag _y composites. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 045406	3	19
147	Pressure-induced phase transitions and superconductivity in a quasi-1-dimensional topological crystalline insulator BiBr. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17696-17700	11.5	18
146	High-pressure synthesis of the BaIrO ₃ perovskite: A Pauli paramagnetic metal with a Fermi liquid ground state. <i>Physical Review B</i> , 2013 , 88,	3.3	18
145	Metal-metal transition in perovskite PbRuO ₃ . <i>Physical Review B</i> , 2009 , 80,	3.3	18
144	High-pressure synthesis and characterization of the effective pseudospin S=1/2 XY pyrochlores R ₂ Pt ₂ O ₇ (R=Er,Yb). <i>Physical Review B</i> , 2016 , 93,	3.3	17
143	Long-range antiferromagnetic order in the frustrated XY pyrochlore antiferromagnet Er ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2014 , 89,	3.3	17
142	Lattice effects on ferromagnetism in perovskite ruthenates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13312-5	11.5	17
141	Orbital fluctuations in the S=12 Mott insulator Sr ₂ VO ₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	17
140	Specific heat of geometrically frustrated and multiferroic RMn _{1-x} GaxO ₃ (R=Ho,Y). <i>Physical Review B</i> , 2006 , 74,	3.3	17
139	The thermal-transport properties of the Ca _{3-x} Ag _x Co ₄ O ₉ system (0≤x≤0.3). <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 356216	1.8	17
138	Schottky-like anomaly in the low-temperature specific heat of single-crystal NdMnO ₃ . <i>Solid State Communications</i> , 2005 , 134, 381-384	1.6	17
137	Jahn-Teller distortion in perovskite KCuF ₃ under high pressure. <i>Journal of Fluorine Chemistry</i> , 2011 , 132, 1117-1121	2.1	16
136	Transition from a weak ferromagnetic insulator to an exchange-enhanced paramagnetic metal in the BaIrO ₃ polytypes. <i>Physical Review B</i> , 2009 , 80,	3.3	16
135	Large reversible magnetocaloric effect in HoTiO ₃ single crystal. <i>Journal of Applied Physics</i> , 2011 , 110, 083912	2.5	16
134	Crystal and magnetic structures and physical properties of a new pyroxene NaMnGe ₂ O ₆ synthesized under high pressure. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2776-86	16.4	15
133	Spin fluctuations in the antiferromagnetic metal Nb ₁₂ O ₂₉ . <i>Physical Review B</i> , 2009 , 80,	3.3	15
132	First-order phase transition characteristic of the high temperature metal-semiconductor transition in [Ca ₂ CoO ₃] _{0.62} [CoO ₂]. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 94, 911-916	2.6	15

131	Fabrication and thermoelectric properties of highly textured NaCo ₂ O ₄ ceramic. <i>Journal of Alloys and Compounds</i> , 2006 , 407, 299-303	5.7	15
130	Long-range magnetic order in the Heisenberg pyrochlore antiferromagnets Gd ₂ Ge ₂ O ₇ and Gd ₂ Pt ₂ O ₇ synthesized under high pressure. <i>Physical Review B</i> , 2016 , 94,	3.3	14
129	Heavy fermion behavior in the quasi-one-dimensional Kondo lattice CeCo ₂ Ga ₈ . <i>Npj Quantum Materials</i> , 2017 , 2,	5	14
128	Pressure-induced spin reorientation and spin state transition in SrCoO ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	14
127	Influence of Y ³⁺ doping on the high-temperature transport mechanism and thermoelectric response of misfit-layered Ca ₃ Co ₄ O ₉ . <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 99, 451-458	2.6	14
126	Pressure-induced superconductivity in CrAs and MnP. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 383003	1.8	13
125	Determination of hole distribution in Sr _{14-x} CaxCu ₂₄ O ₄₁ using soft x-ray absorption spectroscopy at the Cu L ₃ edge. <i>Physical Review B</i> , 2013 , 88,	3.3	13
124	Fabrication and electrical properties of sol-gel-derived Ba _{0.8} Sr _{0.2} TiO ₃ ferroelectric films from a 0.05-M spin-on solution. <i>Applied Physics A: Materials Science and Processing</i> , 2000 , 70, 411-414	2.6	13
123	Sol-gel-derived pyroelectric barium strontium titanate thin films for infrared detector applications. <i>Applied Physics A: Materials Science and Processing</i> , 2000 , 71, 667-670	2.6	13
122	Universal phase diagram of superconductivity and charge density wave versus high hydrostatic pressure in pure and Se-doped 1T ₁ As ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	13
121	Superconductivity in WP single crystals. <i>Physical Review B</i> , 2019 , 99,	3.3	12
120	Competition between heavy fermion and Kondo interaction in isoelectronic A-site-ordered perovskites. <i>Nature Communications</i> , 2014 , 5, 5818	17.4	12
119	Stress-induced perovskite to post-perovskite transition in CaIrO ₃ at room temperature. <i>Physical Review B</i> , 2010 , 82,	3.3	12
118	Spin-state transition in Ba ₂ Co ₉ O ₁₄ . <i>Physical Review B</i> , 2012 , 85,	3.3	12
117	Magnetoresistance in Sr ₂ FeMoO ₆ :x glass composites. <i>Journal of Applied Physics</i> , 2007 , 102, 023903	2.5	12
116	Pressure-induced enhancement of superconductivity and quantum criticality in the 12442-type hybrid-structure superconductor KCa ₂ Fe ₄ As ₄ F ₂ . <i>Physical Review B</i> , 2019 , 99,	3.3	12
115	Evolution of Magnetic Double Helix and Quantum Criticality near a Dome of Superconductivity in CrAs. <i>Physical Review X</i> , 2018 , 8,	9.1	12
114	Resistivity measurements unveil microscopic properties of CrAs. <i>Europhysics Letters</i> , 2019 , 125, 57002	1.6	11

113	Mechanism of the CaIrO_3 post-perovskite phase transition under pressure. <i>Physical Review B</i> , 2013 , 88,	3.3	11
112	Anomalous anisotropic compression behavior of superconducting CrAs under high pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14766-70	11.5	11
111	Controlling independently the electric and thermal properties by shrinking the particle size down to nanosize in quasi-one-dimensional $\text{Ca}_3\text{Co}_2\text{O}_6$ and $\text{Sr}_6\text{Co}_5\text{O}_{15}$. <i>Physical Review B</i> , 2010 , 82,	3.3	11
110	Orbital, charge, and spin couplings in Ru^{2+}O_9 dimers of $\text{Ba}_3\text{CoRu}_2\text{O}_9$. <i>Physical Review B</i> , 2012 , 85,	3.3	11
109	Strongly correlated superconductivity in a copper-based metal-organic framework with a perfect kagome lattice. <i>Science Advances</i> , 2021 , 7,	14.3	11
108	Up-up-down-down magnetic chain structure of the spin-12 tetragonally distorted spinel GeCu_2O_4 . <i>Physical Review B</i> , 2016 , 94,	3.3	11
107	Ionic-Liquid-Gating Induced Protonation and Superconductivity in FeSe , $\text{FeSe}_{0.93}\text{S}_{0.07}$, ZrNCl , 1T-TaS_2 and Bi_2Se_3 *. <i>Chinese Physics Letters</i> , 2019 , 36, 077401	1.8	10
106	Metal-to-metal transition and heavy-electron state in $\text{Nd}_4\text{Ni}_3\text{O}_{10}$ \square <i>Physical Review B</i> , 2020 , 101,	3.3	10
105	Absence of superconductivity in the collapsed tetragonal phase of KFe_2As_2 under hydrostatic pressure. <i>Physical Review B</i> , 2016 , 94,	3.3	10
104	Large magnetocaloric properties in single-crystal dysprosium titanate. <i>Materials Letters</i> , 2012 , 72, 15-17	3.3	10
103	Unusual structural evolution in KCuF_3 at high temperatures by neutron powder diffraction. <i>Physical Review B</i> , 2013 , 87,	3.3	10
102	Study of atomic structure and electronic structure of an $\text{AAB}_4\text{O}_{12}$ double-perovskite $\text{CaCu}_3\text{Ir}_4\text{O}_{12}$ using STEM imaging and EELS techniques. <i>Ultramicroscopy</i> , 2013 , 127, 94-9	3.1	10
101	Spin-orbital liquid and quantum critical point in $\text{Y}_{1-x}\text{La}_x\text{TiO}_3$. <i>Physical Review B</i> , 2015 , 91,	3.3	10
100	Ferromagnetic superexchange in insulating Cr_2MoO_6 by controlling orbital hybridization. <i>Physical Review B</i> , 2015 , 92,	3.3	10
99	Enhanced thermoelectric power near the quantum phase transition in the itinerant-electron ferromagnet MnSi . <i>Physical Review B</i> , 2010 , 82,	3.3	10
98	Zooming on the quantum critical point in Nd-LSCO . <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S12-S13	1.3	10
97	Investigation of interface and bulk fatigue scenarios in sol-gel derived $\text{Pb}(\text{Zr}_{0.5}\text{Ti}_{0.5})\text{O}_3$ films by asymmetric field driving. <i>Applied Physics Letters</i> , 2000 , 77, 898-900	3.4	10
96	Low-temperature crystal and magnetic structures of the magnetoelectric material $\text{Fe}_4\text{Nb}_2\text{O}_9$. <i>Physical Review B</i> , 2019 , 100,	3.3	9

95	Possible superconductivity at ~70 K in tin hydride SnH _x under high pressure. <i>Materials Today Physics</i> , 2022 , 22, 100596	8	9
94	Anomalous perovskite PbRuO ₃ stabilized under high pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20003-7	11.5	8
93	Enhanced low field magnetoresistance in Sr ₂ FeMoO ₆ -glass composites. <i>Journal of Applied Physics</i> , 2006 , 99, 08J113	2.5	8
92	Giant reversible magnetocaloric effect in the pyrochlore Er ₂ Mn ₂ O ₇ due to a cooperative two-sublattice ferromagnetic order. <i>Physical Review Materials</i> , 2017 , 1,	3.2	8
91	Competition between charge-density-wave and superconductivity in the kagome metal RbV ₃ Sb ₅ . <i>Physical Review Research</i> , 2021 , 3,	3.9	8
90	Evidence for pressure-induced node-pair annihilation in Cd ₃ As ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	7
89	Large Positive Zero-Field Splitting in the Cluster Magnet BaCeRuO. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9928-9936	16.4	7
88	Anomalous bulk modulus in vanadate spinels. <i>Physical Review B</i> , 2016 , 94,	3.3	7
87	Magnetic phase transformation induced by electrochemical lithium intercalation in Li ₁ + x EuTiO ₄ and Li ₂ + 2x Eu ₂ Ti ₃ O ₁₀ (0 ≤ x ≤ 1) compounds. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 2047-2060	2.6	7
86	Magnetic and Transport Properties of Ba ₂ Co ₉ O ₁₄ and Ba _{1.9} A _{0.1} Co ₉ O ₁₄ (A=La or Na). <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 114713	1.5	7
85	A low-T _c superconducting modification of Th ₄ H ₁₅ synthesized under high pressure. <i>Superconductor Science and Technology</i> , 2021 , 34, 034006	3.1	7
84	Pentavalent iridium pyrochlore Cd ₂ Ir ₂ O ₇ : A prototype material system for competing crystalline field and spin-orbit coupling. <i>Physical Review B</i> , 2018 , 97,	3.3	6
83	Cubic anvil cell apparatus for high-pressure and low-temperature physical property measurements. <i>Chinese Physics B</i> , 2018 , 27, 077403	1.2	6
82	High-field phase diagram and phase transitions in hexagonal manganite ErMnO ₃ . <i>Physical Review B</i> , 2018 , 97,	3.3	6
81	Magnetic-Competition-Induced Colossal Magnetoresistance in n-Type HgCr ₂ Se ₄ under High Pressure. <i>Physical Review Letters</i> , 2019 , 123, 047201	7.4	6
80	Hydrostatic pressure effects on the static magnetism in Eu(FeCo)As. <i>Scientific Reports</i> , 2017 , 7, 3532	4.9	6
79	Evidence of three-dimensional Ising ferromagnetism in the A-site-ordered perovskite CaCu ₃ Ge ₄ O ₁₂ . <i>Physical Review B</i> , 2011 , 83,	3.3	6
78	Effect of doping Zn on the magnetoresistance of polycrystalline Sr ₂ FeMoO ₆ . <i>Journal of Alloys and Compounds</i> , 2007 , 431, 6-9	5.7	6

77	Magnetic and magneto-transport properties of double perovskite Sr ₂ FeMoO ₆ with Co doping. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 026215	1.8	6
76	Pressure-Induced Metallization and Structural Phase Transition in the Quasi-One-Dimensional TlFeSe ₂ . <i>Chinese Physics Letters</i> , 2020 , 37, 047102	1.8	5
75	Collapsed tetragonal phase as a strongly covalent and fully nonmagnetic state: Persistent magnetism with interlayer As-As bond formation in Rh-doped Ca _{0.8} Sr _{0.2} Fe ₂ As ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	5
74	Pressure dependence of the superconducting transition temperature of the filled skutterudite YFe ₄ P ₁₂ . <i>Physical Review B</i> , 2013 , 88,	3.3	5
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