

# Changqing Jin

## List of Publications by Citations

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156  
papers

3,196  
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165  
ext. papers

3,942  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
156	Pressure-induced semiconducting to metallic transition in multilayered molybdenum disulphide. <i>Nature Communications</i> , <b>2014</b> , 5, 3731	17.4	380
155	Edge-mediated skyrmion chain and its collective dynamics in a confined geometry. <i>Nature Communications</i> , <b>2015</b> , 6, 8504	17.4	159
154	Superconductivity in the vicinity of antiferromagnetic order in CrAs. <i>Nature Communications</i> , <b>2014</b> , 5, 5508	17.4	148
153	Size effect on the dielectric properties of BaTiO <sub>3</sub> nanoceramics in a modified Ginsburg-Landau-Devonshire thermodynamic theory. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	103
152	Pressure-induced superconductivity in the three-dimensional topological Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> . <i>Npj Quantum Materials</i> , <b>2016</b> , 1,	5	97
151	Multiple topological states in iron-based superconductors. <i>Nature Physics</i> , <b>2019</b> , 15, 41-47	16.2	96
150	Exceptional oxygen evolution reactivities on CaCoO and SrCoO. <i>Science Advances</i> , <b>2019</b> , 5, eaav6262	14.3	89
149	Pressure-Induced Polymorphic, Optical, and Electronic Transitions of Formamidinium Lead Iodide Perovskite. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2119-2125	6.4	85
148	Pressure-Modulated Conductivity, Carrier Density, and Mobility of Multilayered Tungsten Disulfide. <i>ACS Nano</i> , <b>2015</b> , 9, 9117-23	16.7	83
147	Observation of Magnetoelectric Multiferroicity in a Cubic Perovskite System: LaMn(3)Cr(4)O(12). <i>Physical Review Letters</i> , <b>2015</b> , 115, 087601	7.4	79
146	Modulation of Metal and Insulator States in 2D Ferromagnetic VS by van der Waals Interaction Engineering. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700715	24	78
145	Role of microstructures on the M1-M2 phase transition in epitaxial VO <sub>2</sub> thin films. <i>Scientific Reports</i> , <b>2014</b> , 4, 4854	4.9	75
144	Ferromagnetism at 230 K in (Ba <sub>0.7</sub> K <sub>0.3</sub> )(Zn <sub>0.85</sub> Mn <sub>0.15</sub> ) <sub>2</sub> As <sub>2</sub> diluted magnetic semiconductor. <i>Science Bulletin</i> , <b>2014</b> , 59, 2524-2527		73
143	Structure stability and compressibility of iron-based superconductor Nd(O <sub>0.88</sub> F <sub>0.12</sub> )FeAs under high pressure. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 13828-9	16.4	53
142	Pressure-induced isostructural phase transition and correlation of FeAs coordination with the superconducting properties of 111-type Na(1-x)FeAs. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 7892-6	16.4	51
141	Visualizing the atomic-scale electronic structure of the Ca <sub>2</sub> CuO <sub>2</sub> Cl <sub>2</sub> Mott insulator. <i>Nature Communications</i> , <b>2013</b> , 4, 1365	17.4	50
140	Ultrastrong Boron Frameworks in ZrB : A Highway for Electron Conducting. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604003	24	50

139	Encapsulation kinetics and dynamics of carbon monoxide in clathrate hydrate. <i>Nature Communications</i> , <b>2014</b> , 5, 4128	17.4	49
138	Sodium Ion Transport Mechanisms in Antiperovskite Electrolytes Na3OBr and Na4OI2: An in Situ Neutron Diffraction Study. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 5993-8	5.1	48
137	Charge Transfer Induced Multifunctional Transitions with Sensitive Pressure Manipulation in a Metal-Organic Framework. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6433-8	5.1	39
136	A-Site and B-Site Charge Orderings in an s-d Level Controlled Perovskite Oxide PbCoO. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4574-4581	16.4	38
135	Phase transition and dielectric properties of nanograin BaTiO3 ceramic under high pressure. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 242901	3.4	38
134	Phase transitions among four BiB3O6 polymorphs: a detailed investigation. <i>CrystEngComm</i> , <b>2009</b> , 11, 1971	3.3	37
133	The metallic state in neutral radical conductors: dimensionality, pressure and multiple orbital effects. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 14136-48	16.4	35
132	Diluted ferromagnetic semiconductor (LaCa)(ZnMn)SbO isostructural to $\sqrt{111}$ -type iron pnictide superconductors. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2013</b> , 56, 2026-2030	3.6	34
131	Strong enhancement of spin ordering by A-site magnetic ions in the ferrimagnet CaCu3Fe2Os2O12. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	33
130	Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn Cr O. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703435	24	32
129	Relationship between the parent charge transfer gap and maximum transition temperature in cuprates. <i>Science Bulletin</i> , <b>2016</b> , 61, 1826-1832	10.6	32
128	Reversible switching between pressure-induced amorphization and thermal-driven recrystallization in VO2(B) nanosheets. <i>Nature Communications</i> , <b>2016</b> , 7, 12214	17.4	30
127	Orbital Selective Spin Excitations and their Impact on Superconductivity of LiFe_{1-x}Co_xAs. <i>Physical Review Letters</i> , <b>2016</b> , 116, 247001	7.4	28
126	Crystal structure and encapsulation dynamics of ice II-structured neon hydrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10456-61	11.5	28
125	Simultaneous softening of Cu3N phonon modes along the T2 line under pressure: A first-principles calculation. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	27
124	High-Temperature Ferrimagnetic Half Metallicity with Wide Spin-up Energy Gap in NaCuFeOsO. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 320-326	5.1	24
123	Local atomic and magnetic structure of dilute magnetic semiconductor (Ba,K)(Zn,Mn)2As2. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	23
122	Pressure-Induced Polymerization of Acetylene: Structure-Directed Stereoselectivity and a Possible Route to Graphane. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6553-6557	16.4	22

121	Abnormal elastic and vibrational behaviors of magnetite at high pressures. <i>Scientific Reports</i> , <b>2014</b> , 4, 6282	4.9	22
120	Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning. <i>Nature Communications</i> , <b>2016</b> , 7, 12519	17.4	22
119	Ferromagnetic antiphase domain boundary in Mn-doped hexagonal BaTiO <sub>3</sub> multiferroics. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 242910	3.4	21
118	Thermal equations of state and phase relation of PbTiO <sub>3</sub> : A high P-T synchrotron x-ray diffraction study. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 084103	2.5	21
117	Mn <sub>2</sub> (Fe <sub>0.8</sub> Mo <sub>0.2</sub> )MoO <sub>6</sub> : A Double Perovskite with Multiple Transition Metal Sublattice Magnetic Effects. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4508-4514	9.6	21
116	Sequential Spin State Transition and Intermetallic Charge Transfer in PbCoO. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5731-5741	16.4	20
115	Mechanical and thermal properties of methane clathrate hydrates as an alternative energy resource. <i>Journal of Renewable and Sustainable Energy</i> , <b>2011</b> , 3, 063110	2.5	20
114	Electrical Resistivity of Fe-C Alloy at High Pressure: Effects of Carbon as a Light Element on the Thermal Conductivity of the Earth's Core. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 3564-3577	3.6	19
113	Phase transitions in nanoparticles of BaTiO <sub>3</sub> as functions of temperature and pressure. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 193513	2.5	19
112	High pressure Raman studies of dense nanocrystalline BaTiO <sub>3</sub> ceramic. <i>Journal of Electroceramics</i> , <b>2008</b> , 21, 859-862	1.5	19
111	LaMn <sub>3</sub> Ni <sub>2</sub> Mn <sub>2</sub> O <sub>12</sub> : An A- and B-Site Ordered Quadruple Perovskite with A-Site Tuning Orthogonal Spin Ordering. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8988-8996	9.6	18
110	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> , <b>2019</b> , 116, 17696-17700	11.5	18
109	High Pressure Phase-Transformation Induced Texture Evolution and Strengthening in Zirconium Metal: Experiment and Modeling. <i>Scientific Reports</i> , <b>2015</b> , 5, 12552	4.9	18
108	Field-free platform for Majorana-like zero mode in superconductors with a topological surface state. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	15
107	A(II)GeTeO (A = Mn, Cd, Pb): Non-Centrosymmetric Layered Tellurates with PbSbO-Related Structure. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 9019-9024	5.1	15
106	(Sr <sub>1-x</sub> Nax)(Cd <sub>1-x</sub> Mnx) <sub>2</sub> As <sub>2</sub> : A new charge and spin doping decoupled diluted magnetic semiconductors with CaAl <sub>2</sub> Si <sub>2</sub> -type structure. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 083902	2.5	15
105	High-Pressure Synthesis of LuNiIrO with Ferrimagnetism and Large Coercivity. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 397-404	5.1	15
104	New Fluoride-arsenide Diluted Magnetic Semiconductor (Ba,K)F(Zn,Mn)As with Independent Spin and Charge Doping. <i>Scientific Reports</i> , <b>2016</b> , 6, 36578	4.9	14

103	Tetragonal Cs <sub>1.17</sub> In <sub>0.81</sub> Cl <sub>3</sub> : A Charge-Ordered Indium Halide Perovskite Derivative. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1981-1989	9.6	14
102	Unraveling a novel ferroelectric GeSe phase and its transformation into a topological crystalline insulator under high pressure. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 882-887	10.3	14
101	Fermions and bosons in nonsymmorphic PdSb <sub>2</sub> with sixfold degeneracy. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	13
100	Unusual Mott transition in multiferroic PbCrO <sub>3</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 15320-5	11.5	13
99	Intralayer doping effects on the high-energy magnetic correlations in NaFeAs. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	13
98	Pressure induced polymerization of acetylide anions in CaC and 10 fold enhancement of electrical conductivity. <i>Chemical Science</i> , <b>2017</b> , 8, 298-304	9.4	13
97	Pressure-induced reversal between thermal contraction and expansion in ferroelectric PbTiO <sub>3</sub> . <i>Scientific Reports</i> , <b>2014</b> , 4, 3700	4.9	13
96	High-Pressure Synthesis and Ferrimagnetic Ordering of the B-Site-Ordered Cubic Perovskite PbFeOsO. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 9816-9821	5.1	12
95	First-principles study of pressure-induced phase transition in the strongly correlated compound YCrO <sub>4</sub> . <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	12
94	Local and collective magnetism of EuFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	11
93	Nuclear resonant inelastic X-ray scattering at high pressure and low temperature. <i>Journal of Synchrotron Radiation</i> , <b>2015</b> , 22, 760-5	2.4	11
92	Pressure-Induced Polymerization and Disproportionation of LiC Accompanied with Irreversible Conductivity Enhancement. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 4241-4245	6.4	11
91	Li(Zn,Co,Mn)As: A bulk form diluted magnetic semiconductor with Co and Mn co-doping at Zn sites. <i>AIP Advances</i> , <b>2016</b> , 6, 115014	1.5	11
90	Quantum Phase Transition of Correlated Iron-Based Superconductivity in LiFe <sub>{1-x}</sub> Co <sub>{x}</sub> As. <i>Physical Review Letters</i> , <b>2019</b> , 123, 217004	7.4	11
89	Suppression of superconductivity and structural phase transitions under pressure in tetragonal FeS. <i>Scientific Reports</i> , <b>2016</b> , 6, 31077	4.9	10
88	Dynamic Ferrimagnetic Order in a Highly Distorted Double Perovskite Y <sub>2</sub> CoRuO <sub>6</sub> . <i>Chemistry of Materials</i> , <b>2018</b> , 30, 7047-7054	9.6	10
87	Large linear magnetoelectric effect and field-induced ferromagnetism and ferroelectricity in DyCrO <sub>4</sub> . <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	9
86	Asperomagnetic order in diluted magnetic semiconductor (Ba,Na)(Zn,Mn) <sub>2</sub> As <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2018</b> , 112, 032402	3.4	9

85	A New Ferroelectric Phase of YMnO <sub>3</sub> Induced by Oxygen-Vacancy Ordering. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1264-1268	3.8	9
84	Temperature and pressure effects of multiferroic Bi <sub>2</sub> NiTiO <sub>6</sub> compound. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 143514	2.5	9
83	A combinatory ferroelectric compound bridging simple ABO and A-site-ordered quadruple perovskite. <i>Nature Communications</i> , <b>2021</b> , 12, 747	17.4	9
82	Vector field controlled vortex lattice symmetry in LiFeAs using scanning tunneling microscopy. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	8
81	BaVSe: a novel compound with spin chains. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 214001	1.8	8
80	Magnetism and the spin state in cubic perovskite CaCoO <sub>3</sub> synthesized under high pressure. <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	8
79	A new quasi-one-dimensional compound Ba <sub>3</sub> TiTe <sub>5</sub> and superconductivity induced by pressure. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	8
78	The Synthesis of a Quasi-One-Dimensional Iron-Based Telluride with Antiferromagnetic Chains and a Spin Glass State. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 5377-5385	5.1	7
77	Local lattice distortions and dynamics in extremely overdoped superconducting YSrCuMoO. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 4559-4564	11.5	7
76	Pressure induced electronic phase transitions and superconductivity in n-type Bi <sub>2</sub> Te <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 125901	2.5	7
75	Near-Room-Temperature Ferrimagnetic Ordering in a B-Site-Disordered 3d-5d-Hybridized Quadruple Perovskite Oxide, CaCuMnOsO. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 15529-15535	5.1	7
74	Magnetic moment evolution and spin freezing in doped BaFeAs. <i>Scientific Reports</i> , <b>2017</b> , 7, 8003	4.9	7
73	Normal or inverse magnetocaloric effects at the transition between antiferromagnetism and ferromagnetism. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 242408	3.4	7
72	Thermal equation of state of TiC: A synchrotron x-ray diffraction study. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 113517	2.5	7
71	Synthesis, crystal structures, and electronic properties of one dimensional Ba <sub>9</sub> Sn <sub>3</sub> (Te <sub>1-x</sub> Se <sub>x</sub> ) <sub>15</sub> (x = 0-1). <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 1337-1343	6.8	6
70	Structural transition behavior of ZnS nanotetrapods under high pressure. <i>High Pressure Research</i> , <b>2015</b> , 35, 9-15	1.6	6
69	A Pressure-Induced Inverse Order-Disorder Transition in Double Perovskites. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8240-8246	16.4	6
68	Pentavalent iridium pyrochlore Cd <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> : A prototype material system for competing crystalline field and spin-orbit coupling. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	6

67	Tailored Synthesis of the Narrowest Zigzag Graphene Nanoribbon Structure by Compressing the Lithium Acetylide under High Temperature. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 20506-20512	3.8	6
66	Growth of Sr <sub>2</sub> CuO <sub>3</sub> + $\delta$ superconductor single crystals at high pressure. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2013</b> , 56, 691-693	3.6	6
65	New quantum matters: Build up versus high pressure tuning. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2013</b> , 56, 2337-2350	3.6	6
64	Anomalous Dynamical Charge Change Behavior of Nanocrystalline 3C-SiC upon Compression. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 2291-2293	3.8	6
63	Data-driven computational prediction and experimental realization of exotic perovskite-related polar magnets. <i>Npj Quantum Materials</i> , <b>2020</b> , 5,	5	6
62	Reciprocity between local moments and collective magnetic excitations in the phase diagram of BaFe <sub>2</sub> (As <sub>1-x</sub> Px) <sub>2</sub> . <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	6
61	High pressure phase of Ba <sub>2</sub> FeS <sub>3</sub> : An antiferromagnet with one-dimensional spin chains. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 859, 157839	5.7	6
60	Magnetic origin of phase stability in cubic $\delta$ -MoN. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 221901	3.4	6
59	Superconductivity above 200 K discovered in superhydrides of calcium. <i>Nature Communications</i> , <b>2022</b> , 13,	17.4	6
58	Pressure-Induced Polymerization of Acetylene: Structure-Directed Stereoselectivity and a Possible Route to Graphane. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6653-6657	3.6	5
57	Local structure of SrCuO, a 95 K cuprate superconductor without CuO planes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 4565-4570	11.5	5
56	Superconducting properties of $\delta$ -type LiFeAs iron arsenide single crystals. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2010</b> , 53, 1199-1201	3.6	5
55	Local structural distortion and electrical transport properties of Bi(Ni <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> perovskite under high pressure. <i>Scientific Reports</i> , <b>2015</b> , 5, 18229	4.9	5
54	Pressure-induced spin transition and site-selective metallization in CoCl. <i>Scientific Reports</i> , <b>2019</b> , 9, 5448	4.9	4
53	Advances in new generation diluted magnetic semiconductors with independent spin and charge doping. <i>Journal of Semiconductors</i> , <b>2019</b> , 40, 081505	2.3	4
52	Multiferroics: Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn <sub>3</sub> Cr <sub>4</sub> O <sub>12</sub> (Adv. Mater. 44/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	4
51	Growth and physical properties of vanadium oxide thin films with controllable phases. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1547, 21-27		4
50	High-Pressure Synthesis of Double Perovskite BaNi <sub>2</sub> O: In Search of a Ferromagnetic Insulator. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 1241-1247	5.1	4

49	High-pressure synthesis, structure and properties of new ternary pnictides La <sub>3</sub> TiX <sub>5</sub> (X = P, As). <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 831, 154697	5.7	4
48	Superconductivity of a cuprate with compressed local octahedron. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2019</b> , 62, 1	3.6	3
47	High-Pressure, High-Temperature Synthesis and Characterization of Polar and Magnetic LuCrWO. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 3579-3584	5.1	3
46	Strong local moment antiferromagnetic spin fluctuations in V-doped LiFeAs. <i>Npj Quantum Materials</i> , <b>2020</b> , 5,	5	3
45	Above-Room-Temperature LiNbO <sub>3</sub> -Type Polar Magnet Stabilized by Chemical and Physical Pressure. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 1618-1626	9.6	3
44	Synthesis, Structure, and Properties of the Layered Oxyselenide BaCuOCuSe. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5108-5113	5.1	3
43	High-Pressure Synthesis and Ferrimagnetism of NiTeO-Type MnScMO (M = Nb, Ta). <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 15953-15961	5.1	3
42	Electronic structures and spin states of BaFe <sub>2</sub> As <sub>2</sub> and SrFe <sub>2</sub> As <sub>2</sub> probed by x-ray emission spectroscopy at Fe and As K-absorption edges. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	3
41	High-Pressure Synthesis of the Cobalt Pyrochlore Oxide PbCoO with Large Cation Mixed Occupancy. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 11676-11680	5.1	3
40	Discovery of Dome-Shaped Superconducting Phase and Anisotropic Transport in a van der Waals Layered Candidate NbIrTe under Pressure. <i>Advanced Science</i> , <b>2021</b> , e2103250	13.6	3
39	Observation of novel charge ordering and spin reorientation in perovskite oxide PbFeO. <i>Nature Communications</i> , <b>2021</b> , 12, 1917	17.4	3
38	Majorana zero modes in impurity-assisted vortex of LiFeAs superconductor. <i>Nature Communications</i> , <b>2021</b> , 12, 4146	17.4	3
37	MnFe <sub>0.5</sub> Ru <sub>0.5</sub> O <sub>3</sub> : an above-room-temperature antiferromagnetic semiconductor. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 509-522	7.1	2
36	Raman Spectroscopy Studies of Nanocrystalline Lead Zirconate Titanate as Functions of Particle Size and Pressure. <i>Spectroscopy Letters</i> , <b>2015</b> , 48, 521-527	1.1	2
35	High-pressure synthesis, crystal structure and physical properties of a new Cr-based arsenide La <sub>3</sub> CrAs <sub>5</sub> . <i>Science China Materials</i> , <b>2020</b> , 63, 1750-1758	7.1	2
34	Polarization-dependent soft X-ray absorption of over-doped superconducting Sr <sub>2</sub> CuO <sub>3</sub> + single crystal. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2014</b> , 196, 61-65	1.7	2
33	High-pressure growth of Ca <sub>2-x</sub> NaxCuO <sub>2</sub> Cl <sub>2</sub> single crystals and pressure effect on superconductivity. <i>Physica C: Superconductivity and Its Applications</i> , <b>2012</b> , 478, 29-31	1.3	2
32	Stoichiometric ENbN: The Most Incompressible Cubic Transition Metal Mononitride. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700063	1.3	2

31	High pressure neutron and synchrotron X-ray diffraction studies of tetragonal LaFeAsO <sub>0.9</sub> F <sub>0.1</sub> . <i>High Pressure Research</i> , <b>2012</b> , 32, 405-411	1.6	2
30	Nuclear and charge density distributions in ferroelectric PbTiO <sub>3</sub> : maximum entropy method analysis of neutron and X-ray diffraction data. <i>Powder Diffraction</i> , <b>2013</b> , 28, 276-280	1.8	2
29	Enhanced magnetoresistance of La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> /Sr <sub>2</sub> FeMoO <sub>6</sub> core/cell nanocrystalline composites synthesized by polymer-network sol-gel method. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 255-259	2.5	2
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