

Changqing Jin

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.

156
papers

3,196
citations

29
h-index

51
g-index

165
ext. papers

3,942
ext. citations

7.5
avg, IF

4.88
L-index

#	Paper	IF	Citations
156	A Ferrotoroidic Candidate with Well-separated Spin Chains.. <i>Advanced Materials</i> , 2022 , e2106728	24	0
155	Critical behavior of the ferromagnetic metal La ₃ CrAs ₅ with quasi-one-dimensional spin chains. <i>Journal of Alloys and Compounds</i> , 2022 , 905, 164214	5.7	0
154	Superconductivity in zirconium polyhydrides with T _c above 70 K. <i>Science Bulletin</i> , 2022 , 67, 907-907	10.6	1
153	Magnetic Ordering and Structural Transition in the Ordered Double-Perovskite Pb ₂ NiMoO ₆ . <i>Chemistry of Materials</i> , 2022 , 34, 97-106	9.6	0
152	Superconductivity above 200 K discovered in superhydrides of calcium. <i>Nature Communications</i> , 2022 , 13,	17.4	6
151	Two distinct superconducting states controlled by orientations of local wrinkles in LiFeAs. <i>Nature Communications</i> , 2021 , 12, 6312	17.4	1
150	Discovery of Dome-Shaped Superconducting Phase and Anisotropic Transport in a van der Waals Layered Candidate NbIrTe under Pressure. <i>Advanced Science</i> , 2021 , e2103250	13.6	3
149	High-Pressure Synthesis of Double Perovskite BaNi ₂ O: In Search of a Ferromagnetic Insulator. <i>Inorganic Chemistry</i> , 2021 , 60, 1241-1247	5.1	4
148	Fluctuating magnetism of Co- and Cu-doped NaFeAs. <i>Applied Physics Letters</i> , 2021 , 118, 112604	3.4	0
147	Momentum-resolved visualization of electronic evolution in doping a Mott insulator. <i>Nature Communications</i> , 2021 , 12, 1356	17.4	2
146	Observation of novel charge ordering and spin reorientation in perovskite oxide PbFeO. <i>Nature Communications</i> , 2021 , 12, 1917	17.4	3
145	TlIrO: A Pauli Paramagnetic Metal, Proximal to a Metal Insulator Transition. <i>Inorganic Chemistry</i> , 2021 , 60, 4424-4433	5.1	2
144	Probing the superconducting gap structure in the noncentrosymmetric topological superconductor ZrRuAs. <i>Physical Review B</i> , 2021 , 103,	3.3	2
143	High-pressure synthesis, crystal structure, and properties of iron-based spin-chain compound Ba ₉ Fe ₃ Se ₁₅ . <i>Physical Review Materials</i> , 2021 , 5,	3.2	1
142	Majorana zero modes in impurity-assisted vortex of LiFeAs superconductor. <i>Nature Communications</i> , 2021 , 12, 4146	17.4	3
141	Spin State and Spin-State Transition of Co ³⁺ Ion in BiCoO ₃ . <i>Physica Status Solidi (B): Basic Research</i> , 2021 , 258, 2100117	1.3	0
140	Charge Disproportionation and Complex Magnetism in a PbMnO ₃ Perovskite Synthesized under High Pressure. <i>Chemistry of Materials</i> , 2021 , 33, 92-101	9.6	0

139	High pressure phase of Ba ₂ FeS ₃ : An antiferromagnet with one-dimensional spin chains. <i>Journal of Alloys and Compounds</i> , 2021 , 859, 157839	5.7	6
138	Anisotropic Spin Distribution and Perpendicular Magnetic Anisotropy in a Layered Ferromagnetic Semiconductor (Ba,K)(Zn,Mn) ₂ As ₂ . <i>ACS Applied Electronic Materials</i> , 2021 , 3, 789-794	4	2
137	A combinatory ferroelectric compound bridging simple ABO and A-site-ordered quadruple perovskite. <i>Nature Communications</i> , 2021 , 12, 747	17.4	9
136	A Pressure-Induced Inverse OrderDisorder Transition in Double Perovskites. <i>Angewandte Chemie</i> , 2020 , 132, 8317-8323	3.6	
135	A Pressure-Induced Inverse Order-Disorder Transition in Double Perovskites. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8240-8246	16.4	6
134	Field-free platform for Majorana-like zero mode in superconductors with a topological surface state. <i>Physical Review B</i> , 2020 , 101,	3.3	15
133	The Synthesis of a Quasi-One-Dimensional Iron-Based Telluride with Antiferromagnetic Chains and a Spin Glass State. <i>Inorganic Chemistry</i> , 2020 , 59, 5377-5385	5.1	7
132	High-pressure synthesis, crystal structure and physical properties of a new Cr-based arsenide La ₃ CrAs ₅ . <i>Science China Materials</i> , 2020 , 63, 1750-1758	7.1	2
131	High-Pressure, High-Temperature Synthesis and Characterization of Polar and Magnetic LuCrWO. <i>Inorganic Chemistry</i> , 2020 , 59, 3579-3584	5.1	3
130	Bond length fluctuation in perovskite chromate SrCrO ₃ . <i>Journal of Applied Physics</i> , 2020 , 127, 075106	2.5	1
129	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> , 2020 , 117, 4565-4570	11.5	5
128	Strong local moment antiferromagnetic spin fluctuations in V-doped LiFeAs. <i>Npj Quantum Materials</i> , 2020 , 5,	5	3
127	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> , 2020 , 117, 4559-4564	11.5	7
126	Sequential Spin State Transition and Intermetallic Charge Transfer in PbCoO. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5731-5741	16.4	20
125	Above-Room-Temperature LiNbO ₃ -Type Polar Magnet Stabilized by Chemical and Physical Pressure. <i>Chemistry of Materials</i> , 2020 , 32, 1618-1626	9.6	3
124	Innenr�ktitelbild: A Pressure-Induced Inverse OrderDisorder Transition in Double Perovskites (Angew. Chem. 21/2020). <i>Angewandte Chemie</i> , 2020 , 132, 8378-8378	3.6	
123	Anomalous critical point behavior in dilute magnetic semiconductor (Ca,Na)(Zn,Mn) ₂ Sb ₂ . <i>Physical Review Materials</i> , 2020 , 4,	3.2	2
122	(Ba,K)(Zn,Mn) ₂ Sb ₂ : A New Type of Diluted Magnetic Semiconductor. <i>Crystals</i> , 2020 , 10, 690	2.3	0

121	Data-driven computational prediction and experimental realization of exotic perovskite-related polar magnets. <i>Npj Quantum Materials</i> , 2020 , 5,	5	6
120	A Combinatory Package for Diamond Anvil Cell Experiments. <i>Crystals</i> , 2020 , 10, 1116	2.3	2
119	High-pressure synthesis, structure and properties of new ternary pnictides La ₃ TiX ₅ (X = P, As). <i>Journal of Alloys and Compounds</i> , 2020 , 831, 154697	5.7	4
118	Large linear magnetoelectric effect and field-induced ferromagnetism and ferroelectricity in DyCrO ₄ . <i>NPG Asia Materials</i> , 2019 , 11,	10.3	9
117	MnFe _{0.5} Ru _{0.5} O ₃ : an above-room-temperature antiferromagnetic semiconductor. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 509-522	7.1	2
116	Vector field controlled vortex lattice symmetry in LiFeAs using scanning tunneling microscopy. <i>Physical Review B</i> , 2019 , 99,	3.3	8
115	Fermions and bosons in nonsymmorphic PdSb ₂ with sixfold degeneracy. <i>Physical Review B</i> , 2019 , 99,	3.3	13
114	Superconductivity of a cuprate with compressed local octahedron. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	3
113	Pressure-induced spin transition and site-selective metallization in CoCl. <i>Scientific Reports</i> , 2019 , 9, 54484.9	4.9	4
112	Pressure-induced phase transitions and superconductivity in a quasi-1-dimensional topological crystalline insulator HgBiBr. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17696-17700	11.5	18
111	Exceptional oxygen evolution reactivities on CaCoO and SrCoO. <i>Science Advances</i> , 2019 , 5, eaav6262	14.3	89
110	Orbital selection of the double [CuO ₂] layer compound Ca ₃ Cu ₂ O ₄ Cl ₂ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	1
109	Advances in new generation diluted magnetic semiconductors with independent spin and charge doping. <i>Journal of Semiconductors</i> , 2019 , 40, 081505	2.3	4
108	Near-Room-Temperature Ferrimagnetic Ordering in a B-Site-Disordered 3d-5d-Hybridized Quadruple Perovskite Oxide, CaCuMnOsO. <i>Inorganic Chemistry</i> , 2019 , 58, 15529-15535	5.1	7
107	High-Pressure Synthesis and Ferrimagnetism of NiTeO-Type MnScMO (M = Nb, Ta). <i>Inorganic Chemistry</i> , 2019 , 58, 15953-15961	5.1	3
106	Tetragonal Cs _{1.17} In _{0.81} Cl ₃ : A Charge-Ordered Indium Halide Perovskite Derivative. <i>Chemistry of Materials</i> , 2019 , 31, 1981-1989	9.6	14
105	A substantial increase of Curie temperature in a new type of diluted magnetic semiconductors via effects of chemical pressure. <i>APL Materials</i> , 2019 , 7, 101119	5.7	2
104	A new quasi-one-dimensional compound Ba ₃ TiTe ₅ and superconductivity induced by pressure. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	8

103	Quantum Phase Transition of Correlated Iron-Based Superconductivity in $\text{LiFe}_{1-x}\text{Co}_x\text{As}$. <i>Physical Review Letters</i> , 2019 , 123, 217004	7.4	11
102	Reciprocity between local moments and collective magnetic excitations in the phase diagram of $\text{BaFe}_2(\text{As}_{1-x}\text{Px})_2$. <i>Communications Physics</i> , 2019 , 2,	5.4	6
101	High-Pressure Synthesis of LuNiIrO with Ferrimagnetism and Large Coercivity. <i>Inorganic Chemistry</i> , 2019 , 58, 397-404	5.1	15
100	High-Temperature Ferrimagnetic Half Metallicity with Wide Spin-up Energy Gap in NaCuFeOsO . <i>Inorganic Chemistry</i> , 2019 , 58, 320-326	5.1	24
99	Multiple topological states in iron-based superconductors. <i>Nature Physics</i> , 2019 , 15, 41-47	16.2	96
98	Synthesis, Structure, and Properties of the Layered Oxyselenide BaCuOCuSe . <i>Inorganic Chemistry</i> , 2018 , 57, 5108-5113	5.1	3
97	Asperomagnetic order in diluted magnetic semiconductor $(\text{Ba},\text{Na})(\text{Zn},\text{Mn})_2\text{As}_2$. <i>Applied Physics Letters</i> , 2018 , 112, 032402	3.4	9
96	Pentavalent iridium pyrochlore $\text{Cd}_2\text{Ir}_2\text{O}_7$: A prototype material system for competing crystalline field and spin-orbit coupling. <i>Physical Review B</i> , 2018 , 97,	3.3	6
95	Pressure induced electronic phase transitions and superconductivity in n-type Bi_2Te_3 . <i>Journal of Applied Physics</i> , 2018 , 123, 125901	2.5	7
94	BaVSe : a novel compound with spin chains. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 214001	1.8	8
93	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> , 2018 , 123, 3564-3577	3.6	19
92	Tailored Synthesis of the Narrowest Zigzag Graphene Nanoribbon Structure by Compressing the Lithium Acetylide under High Temperature. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20506-20512	3.8	6
91	Magnetic origin of phase stability in cubic EMoN . <i>Applied Physics Letters</i> , 2018 , 113, 221901	3.4	6
90	Dynamic Ferrimagnetic Order in a Highly Distorted Double Perovskite Y_2CoRuO_6 . <i>Chemistry of Materials</i> , 2018 , 30, 7047-7054	9.6	10
89	Unraveling a novel ferroelectric GeSe phase and its transformation into a topological crystalline insulator under high pressure. <i>NPG Asia Materials</i> , 2018 , 10, 882-887	10.3	14
88	$\text{Mn}_2(\text{Fe}_{0.8}\text{Mo}_{0.2})\text{MoO}_6$: A Double Perovskite with Multiple Transition Metal Sublattice Magnetic Effects. <i>Chemistry of Materials</i> , 2018 , 30, 4508-4514	9.6	21
87	A-Site and B-Site Charge Orderings in an s-d Level Controlled Perovskite Oxide PbCoO . <i>Journal of the American Chemical Society</i> , 2017 , 139, 4574-4581	16.4	38
86	Pressure-Induced Polymerization of Acetylene: Structure-Directed Stereoselectivity and a Possible Route to Graphane. <i>Angewandte Chemie</i> , 2017 , 129, 6653-6657	3.6	5

85	Pressure-Induced Polymerization of Acetylene: Structure-Directed Stereoselectivity and a Possible Route to Graphane. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6553-6557	16.4	22
84	Pressure-Induced Polymorphic, Optical, and Electronic Transitions of Formamidinium Lead Iodide Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2119-2125	6.4	85
83	Synthesis, crystal structures, and electronic properties of one dimensional Ba ₉ Sn ₃ (Te _{1-x} Se _x) ₁₅ (x = 0-1). <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1337-1343	6.8	6
82	Local and collective magnetism of EuFe ₂ As ₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	11
81	Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn Cr O. <i>Advanced Materials</i> , 2017 , 29, 1703435	24	32
80	Growth and Physical Properties of Sr _x Ca _{1-x} CrO ₃ Single Crystals. <i>Crystals</i> , 2017 , 7, 91	2.3	
79	Pressure-Induced Polymerization and Disproportionation of LiC Accompanied with Irreversible Conductivity Enhancement. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 4241-4245	6.4	11
78	Electronic structures and spin states of BaFe ₂ As ₂ and SrFe ₂ As ₂ probed by x-ray emission spectroscopy at Fe and As K-absorption edges. <i>Physical Review B</i> , 2017 , 96,	3.3	3
77	High-Pressure Synthesis of the Cobalt Pyrochlore Oxide PbCoO with Large Cation Mixed Occupancy. <i>Inorganic Chemistry</i> , 2017 , 56, 11676-11680	5.1	3
76	Magnetic moment evolution and spin freezing in doped BaFeAs. <i>Scientific Reports</i> , 2017 , 7, 8003	4.9	7
75	Stoichiometric ENbN : The Most Incompressible Cubic Transition Metal Mononitride. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700063	1.3	2
74	A(II)GeTeO (A = Mn, Cd, Pb): Non-Centrosymmetric Layered Tellurates with PbSbO-Related Structure. <i>Inorganic Chemistry</i> , 2017 , 56, 9019-9024	5.1	15
73	Multiferroics: Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn ₃ Cr ₄ O ₁₂ (Adv. Mater. 44/2017). <i>Advanced Materials</i> , 2017 , 29,	24	4
72	Ultrastrong Boron Frameworks in ZrB : A Highway for Electron Conducting. <i>Advanced Materials</i> , 2017 , 29, 1604003	24	50
71	Pressure induced polymerization of acetylide anions in CaC and 10 fold enhancement of electrical conductivity. <i>Chemical Science</i> , 2017 , 8, 298-304	9.4	13
70	Magnetism and the spin state in cubic perovskite CaCoO ₃ synthesized under high pressure. <i>Physical Review Materials</i> , 2017 , 1,	3.2	8
69	Modulation of Metal and Insulator States in 2D Ferromagnetic VS by van der Waals Interaction Engineering. <i>Advanced Materials</i> , 2017 , 29, 1700715	24	78
68	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

67	LaMn ₃ Ni ₂ Mn ₂ O ₁₂ : An A- and B-Site Ordered Quadruple Perovskite with A-Site Tuning Orthogonal Spin Ordering. <i>Chemistry of Materials</i> , 2016 , 28, 8988-8996	9.6	18
66	High-Pressure Synthesis and Ferrimagnetic Ordering of the B-Site-Ordered Cubic Perovskite PbFeOsO. <i>Inorganic Chemistry</i> , 2016 , 55, 9816-9821	5.1	12
65	Intralayer doping effects on the high-energy magnetic correlations in NaFeAs. <i>Physical Review B</i> , 2016 , 93,	3.3	13
64	Orbital Selective Spin Excitations and their Impact on Superconductivity of LiFe _{{1-x}Co_{x}As. <i>Physical Review Letters</i>, 2016, 116, 247001}	7.4	28
63	Suppression of superconductivity and structural phase transitions under pressure in tetragonal FeS. <i>Scientific Reports</i> , 2016 , 6, 31077	4.9	10
62	Pressure-induced superconductivity in the three-dimensional topological Dirac semimetal Cd ₃ As ₂ . <i>Npj Quantum Materials</i> , 2016 , 1,	5	97
61	Sodium Ion Transport Mechanisms in Antiperovskite Electrolytes Na ₃ OBr and Na ₄ OI ₂ : An in Situ Neutron Diffraction Study. <i>Inorganic Chemistry</i> , 2016 , 55, 5993-8	5.1	48
60	Relationship between the parent charge transfer gap and maximum transition temperature in cuprates. <i>Science Bulletin</i> , 2016 , 61, 1826-1832	10.6	32
59	(Sr _{1-x} Na _x)(Cd _{1-x} Mn _x) ₂ As ₂ : A new charge and spin doping decoupled diluted magnetic semiconductors with CaAl ₂ Si ₂ -type structure. <i>Journal of Applied Physics</i> , 2016 , 120, 083902	2.5	15
58	Li(Zn,Co,Mn)As: A bulk form diluted magnetic semiconductor with Co and Mn co-doping at Zn sites. <i>AIP Advances</i> , 2016 , 6, 115014	1.5	11
57	Pressure-induced shift of T _c and structural transition in 122-type pnictide superconductor Ca _{0.34} Na _{0.66} Fe ₂ As ₂ . <i>AIP Advances</i> , 2016 , 6, 075104	1.5	2
56	Reversible switching between pressure-induced amorphization and thermal-driven recrystallization in VO ₂ (B) nanosheets. <i>Nature Communications</i> , 2016 , 7, 12214	17.4	30
55	New Fluoride-arsenide Diluted Magnetic Semiconductor (Ba,K)F(Zn,Mn)As with Independent Spin and Charge Doping. <i>Scientific Reports</i> , 2016 , 6, 36578	4.9	14
54	Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning. <i>Nature Communications</i> , 2016 , 7, 12519	17.4	22
53	Local atomic and magnetic structure of dilute magnetic semiconductor (Ba,K)(Zn,Mn) ₂ As ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	23
52	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
51	Structural transition behavior of ZnS nanotetrapods under high pressure. <i>High Pressure Research</i> , 2015 , 35, 9-15	1.6	6
50	Nuclear resonant inelastic X-ray scattering at high pressure and low temperature. <i>Journal of Synchrotron Radiation</i> , 2015 , 22, 760-5	2.4	11

49	Raman Spectroscopy Studies of Nanocrystalline Lead Zirconate Titanate as Functions of Particle Size and Pressure. <i>Spectroscopy Letters</i> , 2015 , 48, 521-527	1.1	2
48	Edge-mediated skyrmion chain and its collective dynamics in a confined geometry. <i>Nature Communications</i> , 2015 , 6, 8504	17.4	159
47	The metallic state in neutral radical conductors: dimensionality, pressure and multiple orbital effects. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14136-48	16.4	35
46	Pressure-Modulated Conductivity, Carrier Density, and Mobility of Multilayered Tungsten Disulfide. <i>ACS Nano</i> , 2015 , 9, 9117-23	16.7	83
45	Unusual Mott transition in multiferroic PbCrO ₃ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15320-5	11.5	13
44	Observation of Magnetoelectric Multiferroicity in a Cubic Perovskite System: LaMn(3)Cr(4)O(12). <i>Physical Review Letters</i> , 2015 , 115, 087601	7.4	79
43	High Pressure Phase-Transformation Induced Texture Evolution and Strengthening in Zirconium Metal: Experiment and Modeling. <i>Scientific Reports</i> , 2015 , 5, 12552	4.9	18
42	Local structural distortion and electrical transport properties of Bi(Ni _{1/2} Ti _{1/2})O ₃ perovskite under high pressure. <i>Scientific Reports</i> , 2015 , 5, 18229	4.9	5
41	Role of microstructures on the M1-M2 phase transition in epitaxial VO ₂ thin films. <i>Scientific Reports</i> , 2014 , 4, 4854	4.9	75
40	Pressure-induced semiconducting to metallic transition in multilayered molybdenum disulphide. <i>Nature Communications</i> , 2014 , 5, 3731	17.4	380
39	Superconductivity in the vicinity of antiferromagnetic order in CrAs. <i>Nature Communications</i> , 2014 , 5, 5508	17.4	148
38	Ferromagnetism at 230 K in (Ba _{0.7} K _{0.3})(Zn _{0.85} Mn _{0.15}) ₂ As ₂ diluted magnetic semiconductor. <i>Science Bulletin</i> , 2014 , 59, 2524-2527		73
37	A New Ferroelectric Phase of YMnO ₃ Induced by Oxygen-Vacancy Ordering. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1264-1268	3.8	9
36	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> , 2014 , 111, 10456-61	11.5	28
35	Polarization-dependent soft X-ray absorption of over-doped superconducting Sr ₂ CuO ₃ + single crystal. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014 , 196, 61-65	1.7	2
34	Pressure-induced reversal between thermal contraction and expansion in ferroelectric PbTiO ₃ . <i>Scientific Reports</i> , 2014 , 4, 3700	4.9	13
33	Abnormal elastic and vibrational behaviors of magnetite at high pressures. <i>Scientific Reports</i> , 2014 , 4, 6282	4.9	22
32	Encapsulation kinetics and dynamics of carbon monoxide in clathrate hydrate. <i>Nature Communications</i> , 2014 , 5, 4128	17.4	49

31	Growth of Sr ₂ CuO ₃ + δ superconductor single crystals at high pressure. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 691-693	3.6	6
30	Phase transitions in nanoparticles of BaTiO ₃ as functions of temperature and pressure. <i>Journal of Applied Physics</i> , 2013 , 113, 193513	2.5	19
29	Ferromagnetic antiphase domain boundary in Mn-doped hexagonal BaTiO ₃ multiferroics. <i>Applied Physics Letters</i> , 2013 , 102, 242910	3.4	21
28	Diluted ferromagnetic semiconductor (LaCa)(ZnMn)SbO isostructural to δ 111 type iron pnictide superconductors. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 2026-2030	3.6	34
27	Visualizing the atomic-scale electronic structure of the Ca ₂ CuO ₂ Cl ₂ Mott insulator. <i>Nature Communications</i> , 2013 , 4, 1365	17.4	50
26	Temperature and pressure effects of multiferroic Bi ₂ NiTiO ₆ compound. <i>Journal of Applied Physics</i> , 2013 , 113, 143514	2.5	9
25	New quantum matters: Build up versus high pressure tuning. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 2337-2350	3.6	6
24	Growth and physical properties of vanadium oxide thin films with controllable phases. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1547, 21-27		4
23	Nuclear and charge density distributions in ferroelectric PbTiO ₃ : maximum entropy method analysis of neutron and X-ray diffraction data. <i>Powder Diffraction</i> , 2013 , 28, 276-280	1.8	2
22	High-pressure growth of Ca _{2-x} NaxCuO ₂ Cl ₂ single crystals and pressure effect on superconductivity. <i>Physica C: Superconductivity and Its Applications</i> , 2012 , 478, 29-31	1.3	2
21	High pressure neutron and synchrotron X-ray diffraction studies of tetragonal LaFeAsO _{0.9} F _{0.1} . <i>High Pressure Research</i> , 2012 , 32, 405-411	1.6	2
20	Normal or inverse magnetocaloric effects at the transition between antiferromagnetism and ferromagnetism. <i>Applied Physics Letters</i> , 2012 , 100, 242408	3.4	7
19	Synthesis of boron-doped diamond with laser heated diamond anvil cell. <i>Science Bulletin</i> , 2011 , 56, 1336-1339		1
18	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> , 2011 , 133, 7892-6	16.4	51
17	Thermal equations of state and phase relation of PbTiO ₃ : A high P-T synchrotron x-ray diffraction study. <i>Journal of Applied Physics</i> , 2011 , 110, 084103	2.5	21
16	Mechanical and thermal properties of methane clathrate hydrates as an alternative energy resource. <i>Journal of Renewable and Sustainable Energy</i> , 2011 , 3, 063110	2.5	20
15	Enhanced magnetoresistance of La _{2/3} Ca _{1/3} MnO ₃ /Sr ₂ FeMoO ₆ core/shell nanocrystalline composites synthesized by polymer-network sol-gel method. <i>Journal of Materials Research</i> , 2010 , 25, 255-259	2.5	2
14	Thermal equation of state of TiC: A synchrotron x-ray diffraction study. <i>Journal of Applied Physics</i> , 2010 , 107, 113517	2.5	7

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| 13 | Superconducting properties of 1111-type LiFeAs iron arsenide single crystals. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 1199-1201 | 3.6 | 5 |
| 12 | Phase transitions among four BiB3O6 polymorphs: a detailed investigation. <i>CrystEngComm</i> , 2009 , 11, 1971 | 3.3 | 37 |
| 11 | Structure stability and compressibility of iron-based superconductor Nd(O _{0.88} F _{0.12})FeAs under high pressure. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13828-9 | 16.4 | 53 |
| 10 | Phase transition and dielectric properties of nanograin BaTiO ₃ ceramic under high pressure. <i>Applied Physics Letters</i> , 2008 , 92, 242901 | 3.4 | 38 |
| 9 | High pressure Raman studies of dense nanocrystalline BaTiO ₃ ceramic. <i>Journal of Electroceramics</i> , 2008 , 21, 859-862 | 1.5 | 19 |
| 8 | High pressure effects on the crystal structure and electric conductivity of perovskite like (Ca/Sr) ₂ CuO ₂ Cl ₂ compounds. <i>Science Bulletin</i> , 2008 , 53, 2739-2742 | 10.6 | 2 |
| 7 | First-principles study of pressure-induced phase transition in the strongly correlated compound YCrO ₄ . <i>Physical Review B</i> , 2006 , 73, | 3.3 | 12 |
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