

Lei Zhang

List of Publications by Year in descending order

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times ranked

3776
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical properties of the perovskite manganite $\text{La}_{0.1}\text{MnO}_3$. Physical Review B, 2010, 81, .	3.2	221
2	Gapless quantum spin liquid ground state in the two-dimensional spin-1/2 triangular antiferromagnet YbMgGaO_4 . Scientific Reports, 2015, 5, 16419.	3.3	213
3	Anisotropic anomalous Hall effect in triangular itinerant ferromagnet Fe_3Sn_2 . Physical Review B, 2017, 96, .	3.2	108
4	Experimental Observation of Anisotropic Adler-Bell-Jackiw Anomaly in Type-II Weyl Semimetal Crystals at the Quasiclassical Regime. Physical Review Letters, 2017, 118, 096603.	7.8	114
5	Self-Locomotive Soft Actuator Based on Asymmetric Microstructural $\text{Ti}_3\text{C}_2\text{T}_x$ MXene Film Driven by Natural Sunlight Fluctuation. ACS Nano, 2021, 15, 5294-5306.	14.6	103
6	Evolution of the intrinsic electronic phase separation in $\text{La}_{0.6}\text{Er}_{0.1}\text{Sr}_{0.3}\text{MnO}_3$ perovskite. Scientific Reports, 2016, 6, 14.	3.3	93
7	Investigation of critical behavior in $\text{Pr}_{0.55}\text{Sr}_{0.45}\text{MnO}_3$ by using the field dependence of magnetic entropy change. Applied Physics Letters, 2011, 98, .	3.3	79
8	Critical behavior of the quasi-two-dimensional semiconducting ferromagnet CrSiTe_3 . Scientific Reports, 2016, 6, 33873.	3.3	66
9	Critical behavior of the single-crystal helimagnet MnSi . Physical Review B, 2015, 91, .	3.2	63
10	Critical behavior in the antiperovskite ferromagnet AlCMn . Physical Review B, 2012, 85, helimagnet	3.2	53
11	Cr_3NbS_7 . Physical Review B, 2012, 85, helimagnet	3.2	52
12	Magnetic and magnetocaloric properties of perovskite manganite $\text{Pr}_{0.55}\text{Sr}_{0.45}\text{MnO}_3$. Physica B: Condensed Matter, 2011, 406, 2289-2292.	2.7	50
13	Critical behavior of the van der Waals bonded high T _C ferromagnet Fe_3GeTe_2 . Scientific Reports, 2017, 7, 6184.	3.3	49
14	Room-temperature large magnetocaloric effect and critical behavior in $\text{La}_{0.6}\text{Dy}_{0.1}\text{Sr}_{0.3}\text{MnO}_3$. Ceramics International, 2016, 42, 8234-8239.	4.8	47
15	Self-doping effect and successive magnetic transitions in superconducting Sr_2MnO_7 . Physical Review B, 2010, 82, .	3.2	46
16	Structural, magnetic, electrical transport properties, and reversible room-temperature magnetocaloric effect in antiperovskite compound AlCMn_3 . Journal of Applied Physics, 2010, 108, .	2.5	44
17	Unusual ferromagnetic critical behavior owing to short-range antiferromagnetic correlations in antiperovskite $\text{Cu}_{1-x}\text{NMn}_{3+x}$ (0.1 $\leq x \leq$ 0.4). Scientific Reports, 2015, 5, 7933.	3.3	43
18	Emergence of skyrmions from rich parent phases in the molybdenum nitrides. Physical Review B, 2016, 93, .	3.2	43

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19	Critical phenomenon of the near room temperature skyrmion material FeGe. Scientific Reports, 2016, 6, 22397.	3.3	43
20	Topological semimetal state and field-induced Fermi surface reconstruction in the antiferromagnetic mononictide NdSb. Physical Review B, 2018, 97, .	3.2	37
21	Critical behavior of the single-crystalline van der Waals bonded ferromagnet $\text{Cr}_2\text{Mn}_2\text{S}_2$. Physical Review B, 2018, 98, .	2.2	37
22	Critical properties of the 3D-Heisenberg ferromagnet $\text{chem}\{\text{CdCr}_{2}\text{Se}_{4}\}$. Europhysics Letters, 2010, 91, 57001.	2.0	34
23	De Hass-van Alphen and magnetoresistance reveal predominantly single-band transport behavior in PdTe ₂ . Scientific Reports, 2016, 6, 31554.	3.3	34
24	Temperature-Induced Lifshitz Transition and Possible Excitonic Instability in ZrSiSe. Physical Review Letters, 2020, 124, 236601.	7.8	34
25	Critical behavior of the half-doped perovskite $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$. Journal of Alloys and Compounds, 2014, 588, 294-299.	5.5	33
26	Different response of superconductivity to the transition-metal impurities in $\text{K}_{0.8}\text{Fe}_{2-x}\text{MxSe}_2$ (M=Cr, Mn, Co, Zn). Physical Review B, 2011, 84, .	3.2	32
27	Magnetocaloric effect and spontaneous magnetization in perovskite manganite $\text{Nd}_{0.55}\text{Sr}_{0.45}\text{MnO}_3$. Materials Research Bulletin, 2016, 73, 187-191.	5.2	32
28	Magnetic properties of Bi-doped. Solid State Communications, 2010, 150, 389-392.	1.9	31
29	Superconducting Fiber with Transition Temperature up to 7.43 K in $\text{Nb}_2\text{Pd}_x\text{S}_{5-x}$ (0.6 x ≤ 1). Journal of the American Chemical Society, 2013, 135, 12987-12989.	13.7	30
30	Effect of A-site average radius and cation disorder on magnetism and electronic properties in manganite $\text{La}_{0.6}\text{A}_{0.1}\text{Sr}_{0.3}\text{MnO}_3$ (A = Sm, Dy, Er). Journal of Materials Science, 2015, 50, 2130-2137.	3.7	30
31	Isotropic magnetoresistance and enhancement of ferromagnetism through repetitious bending moments in flexible perovskite manganite thin film. Journal of Alloys and Compounds, 2019, 806, 753-760.	5.5	28
32	Magnetic order, spin dynamics and transport properties of the pyrochlore iridate $\text{Y}_2\text{Ir}_2\text{O}_7$. Solid State Communications, 2014, 179, 1-5.	1.9	27
33	Emergent phenomena of magnetic skyrmion and large DM interaction in perovskite manganite $\text{La}_{0.8}\text{MnO}_3$. Journal of Magnetism and Magnetic Materials, 2019, 483, 42-47.	2.3	27
34	Composition dependent-magnetocaloric effect and low room-temperature coefficient of resistivity study of iron-based antiperovskite compounds $\text{Sn}_{1-x}\text{Ga}_x\text{CFe}_3$ (0 x ≤ 1). Applied Physics Letters, 2011, 99, .	1.0	26
35	Critical dependence of magnetostructural coupling and magnetocaloric effect on particle size in Mn-Fe-Ni-Ge compounds. Scientific Reports, 2016, 6, 20993.	3.3	26
36	Noncentrosymmetric $\text{R}_2\text{M}_2\text{O}_3$ compounds. Physical Review B, 2018, 97, .	3.2	26

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37	Magnetic entropy change and accurate determination of Curie temperature in single-crystalline helimagnet FeGe. <i>Europhysics Letters</i> , 2017, 117, 47004.	2.0	24
38	Room-temperature Magnetic Field Effect on Excitonic Photoluminescence in Perovskite Nanocrystals. <i>Advanced Materials</i> , 2021, 33, e2008225.	21.0	24
39	Scaling analysis of PM-FM phase transition in Nd _{0.5} Sr _{0.25} Ca _{0.25} MnO ₃ based on magnetic entropy change. <i>Materials Chemistry and Physics</i> , 2014, 144, 206-211.	4.0	23
40	Critical behavior in tetragonal antiperovskite GeNFe ₃ with a frustrated ferromagnetic state. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13703-13709.	2.8	21
41	Observation of charge density wave transition in TaSe ₃ mesowires. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	21
42	Critical phenomenon and phase diagram of Mn-intercalated layered MnNb ₃ S ₆ . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 195803.	1.8	20
43	Scaling of the magnetic entropy change in skyrmion material Fe _{0.5} Co _{0.5} Si. <i>Materials Research Bulletin</i> , 2017, 94, 500-505.	5.2	19
44	AlN x Mn ₃ : A possible high-temperature soft magnetic material and strongly correlated system. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	18
45	Giant anisotropic magnetoresistance in bilayered La _{1.2} Sr _{1.8} Mn ₂ O ₇ single crystals. <i>Applied Physics Letters</i> , 2011, 98, 212503.	3.3	18
46	Scaling study of magnetic phase transition and critical behavior in Nd _{0.55} Sr _{0.45} Mn _{0.98} Ga _{0.02} O ₃ manganite. <i>Materials Research Bulletin</i> , 2018, 99, 393-397.	5.2	18
47	Critical behavior in the itinerant ferromagnet AsNCr_3 with tetragonal-antiperovskite structure. <i>Physical Review B</i> , 2018, 98, .		18
48	Critical behavior in the half-metallic Heusler alloy CoCr_2TiSn . <i>Physical Review B</i> , 2019, 100, .	3.2	18
49	Scaling of the magnetic entropy change in spinel selenide CuCr ₂ Se ₄ . <i>Physica B: Condensed Matter</i> , 2012, 407, 3543-3546.	2.7	17
50	The effect of Al doping on the structure and magnetism in cobaltite CaBaCo ₄ O ₇ . <i>Journal of Alloys and Compounds</i> , 2013, 576, 1-4.	5.5	17
51	Scaling investigation of the magnetic entropy change in helimagnet MnSi . <i>Journal of Alloys and Compounds</i> , 2015, 649, 46-49.	5.5	17
52	High optical transmittance and anomalous electronic transport in flexible transparent conducting oxides $\text{Ba}_x\text{Sr}_{1-x}\text{TiO}_3$. <i>Ceramics International</i> , 2018, 44, 18001-18006.	4.8	16
53	Field-dependent anisotropic magnetic coupling in layered ferromagnetic FeCr_2P_2 . <i>Physical Review B</i> , 2019, 100, .	4.2	16
54	Critical behavior of the magnetic Weyl semimetal PrAlGe. <i>Physical Review B</i> , 2021, 103, .	3.2	16

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55	The effect of equivalent pressure and localized magnetism in $\text{Cu}_{1-x}\text{Ag}_x\text{Ir}_2\text{S}_4$ system. Journal of Physics Condensed Matter, 2008, 20, 255205.	1.8	15
56	3D-Heisenberg ferromagnetic characteristics in CuCr_2Se_4 . Journal of Applied Physics, 2011, 109, .	2.5	15
57	Suppression of ferromagnetism and metal-like conductivity in lightly Fe-doped SrRuO_3 . Journal of Applied Physics, 2011, 110, 043907.	2.5	15
58	Critical behavior of spinel MnV_2O_4 investigated by dc-magnetization. Journal of Applied Physics, 2014, 115, 233910.	2.5	15
59	Magnetic order and dynamical properties of the spin-frustrated magnet $\text{Dy}_2\text{xYbxTi}_2\text{O}_7$. Journal of Magnetism and Magnetic Materials, 2014, 349, 173-179.	2.3	15
60	Spin correlations and colossal magnetoresistance in HgCr_2Mn_2 . Physical Review B, 2016, 94, .	1.5	15
61	Ultra-low thermal expansion realized in giant negative thermal expansion materials through self-compensation. APL Materials, 2017, 5, .	5.1	15
62	Short-range antiferromagnetic correlations and large magnetic entropy change in $(\text{La}_{0.5}\text{Pr}_{0.5})_{0.67}\text{Ca}_{0.33}\text{MnO}_3$. Journal of Materials Science, 2018, 53, 323-332.	3.7	15
63	Field-induced tricritical phenomenon and magnetic structures in magnetic Weyl semimetal candidate NdAlGe . New Journal of Physics, 2022, 24, 013010.	2.9	15
64	Magnetic properties of the ferrimagnetic cobaltite $\text{CaBaCo}_4\text{O}_7$. Solid State Communications, 2011, 151, 917-919.	1.9	14
65	The study of structure, magnetism, electricity, and their correlations at martensitic transition for magnetostriction system $\text{Cu}_{1-x}\text{MnxNMn}_3$ ($0 \leq x \leq 0.5$). Journal of Applied Physics, 2012, 111, 113914.	2.5	14
66	Temperature dependence of the magnetostriction in polycrystalline $\text{PrFe}_{1.9}$ and TbFe_2 alloys: Experiment and theory. Journal of Applied Physics, 2014, 115, 173902.	2.5	14
67	Structural, magnetic and electrical properties in the pyrochlore oxide $\text{Bi}_2\text{CaIr}_2\text{O}_7$. Ceramics International, 2016, 42, 4562-4566.	4.8	14
68	Reversal and non-reversal ferroelectric polarizations in a Y-type hexaferrite. Journal of Materials Chemistry C, 2019, 7, 340-345.	5.5	14
69	Contrasting effects of magnetic ions on the superconductivity in $\text{Tl}_{0.4}\text{K}_{0.4}\text{Fe}_2\text{MSe}_2$ ($0 \leq M = \text{Mn, Ni, Co}$). Journal of Applied Physics, 2014, 115, 083916.	2.5	13
70	Study of negative thermal expansion in the frustrated spinel ZnCr_2Se_4 . Journal of Applied Physics, 2014, 115, 083916.	2.5	13
71	Superconducting properties of BiSe_2 -based $\text{LaO}_{1-x}\text{F}_x\text{BiSe}_2$ single crystals. Europhysics Letters, 2014, 107, 37006.	2.0	13
72	Large reversible magnetostrictive effect in the $\text{Gd}_{1-x}\text{Sm}_x\text{Mn}_2\text{Ge}_2$ ($x=0.37, 0.34$) alloys at room temperature. Journal of Alloys and Compounds, 2015, 628, 146-150.	5.5	13

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73	Superconductivity in Undoped CaFe ₂ As ₂ Single Crystals. Chinese Physics Letters, 2016, 33, 067402.	3.3	13
74	Magnetocaloric effect of half-doped manganite Nd _{0.5} Ca _{0.25} Sr _{0.25} MnO ₃ . Physica B: Condensed Matter, 2010, 405, 3120-3123.	2.7	12
75	Electron paramagnetic resonance study of the $f-d$ interaction in pyrochlore iridate Gd ₂ Ir ₂ O ₇ . Philosophical Magazine, 2015, 95, 3014-3022.	1.6	12
76	Tricritical phenomenon and phase diagram in a single crystal of the double-perovskite iridate $\text{La}_{1-x}\text{Mn}_2\text{Zr}_x\text{O}_{10}$. Physical Review B, 2018, 98, .	3.2	12
77	Magnetoelastic anisotropy of antiferromagnetic materials. Applied Physics Letters, 2019, 115, .	3.3	12
78	Thermal enhancement of the ^{11}B β' ^{15}N up-conversion luminescence of Er ³⁺ -doped K ₂ Yb(PO ₄)(MoO ₄) phosphors. Journal of Materials Chemistry C, 2021, 9, 12159-12167.	5.5	12
79	Spin-lattice coupling studied by magnetic entropy and EPR in the system. Solid State Communications, 2010, 150, 2109-2113.	1.9	11
80	Spin-lattice correlations in Pr _{0.55} Sr _{0.45} MnO ₃ studied by electron paramagnetic resonance. Physica Status Solidi (B): Basic Research, 2012, 249, 1634-1638.	1.5	11
81	Spin-phonon coupling probed by infrared transmission spectroscopy in the double perovskite Ba ₂ YMoO ₆ . Journal of Applied Physics, 2013, 113, 17E137.	2.5	11
82	Nonzero electric polarization and four magnetoelectric states at zero magnetic field in Cr-doped Y-type hexaferrite. Applied Physics Letters, 2017, 110, 262901.	3.3	11
83	Isotropic Low Thermal Expansion over a Wide Temperature Range in Ti _{1-x} Zr _x F _{3+x} (0.1 ≤ x ≤ 0.5) Solid Solutions. Inorganic Chemistry, 2018, 57, 14396-14400.	4.0	11
84	Field-induced tricritical phenomenon and multiple phases in DySb. Physical Review B, 2020, 102, .	3.2	11
85	Large Linear Negative Thermal Expansion in NiAs-type Magnetic Intermetallic CrTeSe Compounds. Inorganic Chemistry, 2020, 59, 8603-8608.	4.0	11
86	Itinerant magnetism in the half-metallic Heusler compound $\text{Co}_2\text{Mn}_2\text{HfSn}$: Evidence from critical behavior combined with first-principles calculations. Physical Review B, 2021, 103, .	3.2	11
87	Two-dimensional magnetic interplay in the tensile-strained LaCoO ₃ thin films. Physical Chemistry Chemical Physics, 2021, 23, 4912-4918.	2.8	11
88	Structure, magnetic and transport properties of Li-doped. Solid State Communications, 2010, 150, 2289-2293.	1.9	10
89	ESR study of the ferrimagnetic spinel selenide CuCr ₂ Se ₄ . European Physical Journal B, 2011, 83, 325-328.	1.5	10
90	Frustrated magnetism and dynamical properties in pyrochlore-type magnet Dy ₂ Ti ₂ xFeO ₇ . Journal of Magnetism and Magnetic Materials, 2014, 369, 107-113.	2.3	10

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91	Evidence of emerging Griffiths singularity in La _{0.5} Sr _{0.5} MnO ₃ nanocrystalline probed by magnetization and electron paramagnetic resonance. <i>Materials Chemistry and Physics</i> , 2016, 175, 62-67.	4.0	10
92	Mott transition controlled by lattice-orbital coupling in 3d -metal-doped double-layer ruthenates. <i>Physical Review B</i> , 2017, 96, .	3.2	10
93	Study of lattice dynamics in the Cu _{1-x} Sn _x S ₄ system. <i>European Physical Journal B</i> , 2010, 77, 83-86.	1.5	9
94	Critical behavior of single crystal CuCr ₂ Se ₄ 1-x Br x (x=0.25). <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 201-206.	2.3	9
95	Formation of As-As bond and its effect on absence of superconductivity in the collapsed tetragonal phase of $\text{Ca}_{1-x}\text{Mn}_{0.86x}\text{O}_7$. An optical spectroscopy study. <i>Physical Review B</i> , 2015, 91, .	3.2	9
96	Spin reorientation and giant low-temperature magnetostriction of polycrystalline NdFe _{1.9} compound. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 451, 515-519.	2.3	9
97	Giant Negative Thermal Expansion in Antiferromagnetic Cr-As-Based Compounds. <i>Physical Review Applied</i> , 2019, 12, .	3.8	9
98	Critical behavior and strongly anisotropic interactions in PrMn ₂ Ge ₂ . <i>Applied Physics Letters</i> , 2022, 120, 092402.	3.3	9
99	Heisenberg-like ferromagnetism and percolative conductivity in the half-doped manganite Nd _{0.5} Ca _{0.25} Sr _{0.25} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3692-3695.	2.3	8
100	Interaction between the magnetic moments of the 3d and the 4f electrons in manganite, probed by Ga substitution. <i>Physica B: Condensed Matter</i> , 2012, 407, 1-5.	2.7	8
101	Critical exponents of the second-order manganite Nd _{0.5} Sr _{0.25} Ca _{0.25} MnO ₃ determined from magnetic entropy change measurements. <i>Phase Transitions</i> , 2014, 87, 676-684.	1.3	8
102	Impact of disorder effect on the percolative conductivity in Nd _{0.5} Ca _{0.5} Sr MnO ₃ (0.10 ≤ x ≤ 0.25). <i>Chemical Physics Letters</i> , 2015, 634, 174-178.	2.6	8
103	Enhanced ferromagnetism and emergence of spin-glass-like transition in pyrochlore compound Dy ₂ Ti ₂ V ₂ O ₇ . <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 388, 135-142.	2.3	8
104	Spin-dimensionality change induced by Co-doping in the chiral magnet Fe _{1-x} Co _x Si. <i>Europhysics Letters</i> , 2016, 115, 67006.	2.0	8
105	Anisotropic magnetic coupling with a two-dimensional characteristic in noncentrosymmetric Cr ₁₁ Ge ₁₉ . <i>Scientific Reports</i> , 2016, 6, 39338.	3.3	8
106	Large Positive Thermal Expansion and Small Band Gap in Double-ReO ₃ -Type Compound NaSbF ₆ . <i>Inorganic Chemistry</i> , 2017, 56, 4990-4995.	4.0	8
107	Anisotropic magnetoresistance behaviors in the layered ferromagnetic Cr ₂ Ge ₂ Te ₆ . <i>Journal Physics D: Applied Physics</i> , 2020, 53, 025101.	2.8	8
108	Different electrochemical magnetic contributions between W ⁴⁺ and Mn ²⁺ in Cu _{1-x} M _x S ₄ (M=W/Mn) system. <i>Solid State Communications</i> , 2009, 149, 471-475.	1.9	7

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109	Critical phenomenon in the itinerant ferromagnet Cr ₁₁ Ge ₁₉ studied by scaling of the magnetic entropy change. <i>Journal of Alloys and Compounds</i> , 2017, 693, 389-393.	5.5	7
110	Coexistence of spin-lattice and spin-spin relaxation mechanism in perovskite manganite (La _{0.5} Pr _{0.5}) _{0.67} Ca _{0.33} MnO ₃ . <i>Materials Chemistry and Physics</i> , 2018, 212, 230-236.	4.0	7
111	Fabrication and magnetic/electronic properties of van der Waals Cr ₄ Te ₅ ferromagnetic films. <i>CrystEngComm</i> , 2022, 24, 674-680.	2.6	7
112	Efficient charge carriers induced by extra outer-shell electrons in iron-pnictides: a comparison between Ni- and Co-doped CaFeAsF. <i>New Journal of Physics</i> , 2010, 12, 083050.	2.9	6
113	Electron paramagnetic resonance studies on manganite Pr _{0.5} Sr _{0.5} Mn _{1-x} Ga _x O ₃ (x=0 and 0.05). <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 397-402.	2.3	6
114	Investigation of Magnetic Entropy Change and Griffiths-like Phase in La _{0.65} Ca _{0.35} MnO ₃ Nanocrystalline. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 2779-2786.	1.8	6
115	Ferroelectricity of structural origin in the spin-chain compounds Ca ₃ Co _{2x} MnxO ₆ . <i>Physical Review B</i> , 2017, 96, .	3.2	6
116	Spin Glass in a Geometrically Frustrated Magnet of ZnFe ₂ O ₄ Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3553-3558.	1.8	6
117	Different pressure effects in A ₂ Ir ₂ O ₇ (A ⁻ =Gd, Eu, and Sm). <i>Journal of Alloys and Compounds</i> , 2018, 741, 182-187.	5.5	6
118	Growth dynamics of the segregated phase in Zn-6wt%Bi immiscible alloy superheated in super high static magnetic field. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160410.	5.5	6
119	Magnetic phase diagram of Al-doped spinel MnV ₂ O ₄ . <i>Solid State Communications</i> , 2013, 159, 88-92.	1.9	5
120	Giant low-temperature magnetostriction and spin-reorientation of polycrystalline alloy PrFe _{1.9} . <i>Journal of Applied Physics</i> , 2013, 113, 233902.	2.5	5
121	Electron spin resonance study of a CuIr ₂ S ₄ single crystal. <i>Philosophical Magazine</i> , 2013, 93, 1132-1141.	1.6	5
122	Magnetism of insulator Sr ₂ IrO ₄ with strong spin-orbit coupling. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 345, 13-17.	2.3	5
123	Magnetic entropy calculation for a second-order ferromagnetic phase transition. <i>Modern Physics Letters B</i> , 2014, 28, 1450059.	1.9	5
124	Microwave response of the chiral helimagnetic MnNb ₃ S ₆ . <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5
125	Quantum oscillations and anomalous angle-dependent magnetoresistance in the topological candidate Ag ₃ Sn. <i>Physical Review B</i> , 2020, 101, .	3.2	5
126	Defects controlled doping and electrical transport in TiS ₂ single crystals. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	5

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127	Kohler's rule and anisotropic Berry-phase effect in nodal-line semimetal ZrSiSe. Journal of Applied Physics, 2022, 131, .	2.5	5
128	Critical behavior and phase diagram of layered ferromagnetic FeTa_3S_6 single crystals. Physical Review B, 2022, 105, .	3.2	5
129	Cluster-glass state and the effect of A-site magnetism in electron-doped manganites. Solid State Communications, 2009, 149, 1168-1172.	1.9	4
130	The suppression of the orbit-induced Peierls state by Co ions in the system. Journal of Magnetism and Magnetic Materials, 2009, 321, 4092-4096.	2.3	4
131	The remnant ferromagnetism in the system. Solid State Communications, 2010, 150, 1665-1669.	1.9	4
132	Transport and magnetic properties of the system. Solid State Communications, 2011, 151, 887-891.	1.9	4
133	Enhancement of the Peierls-like phase transition in the $\text{CuLi}_2\text{Ir}_2\text{S}_4$ system. Europhysics Letters, 2011, 94, 37003.	2.0	4
134	Critical behavior of the in-plane weak ferromagnet Sr_2IrO_4 . Solid State Communications, 2013, 166, 60-65.	1.9	4
135	Orbitally induced Peierls phase transition driven by phonon change in CuIr_2S_4 . Journal of Magnetism and Magnetic Materials, 2013, 330, 12-15.	2.3	4
136	Lattice dynamics study of the structural transition in IrTe_2 . Philosophical Magazine, 2014, 94, 439-446.	1.6	4
137	Investigation of spin-phonon coupling in triangular-lattice antiferromagnet AgCrS_2 by infrared transmission spectroscopy. Journal of Magnetism and Magnetic Materials, 2016, 404, 175-178.	2.3	4
138	Enhancement of superconductivity in FeSe thin crystals induced by biaxial compressive strain. Physica C: Superconductivity and Its Applications, 2017, 537, 1-4.	1.2	4
139	Opposite pressure effects in the orbitally-induced Peierls phase transition systems CuIr_2S_4 and MgTi_2O_4 . Dalton Transactions, 2017, 46, 6708-6714.	3.3	4
140	Magnetic and Transport Properties of Co_1Sb Single Crystals. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1841-1846.	1.8	4
141	3D-Heisenberg magnetic coupling in the skyrmion system $\text{Fe}_{1.5}\text{Co}_{0.5}\text{Rh}_{0.5}\text{Mo}_3\text{N}$. Journal of Alloys and Compounds, 2018, 739, 85-91.	5.5	4
142	Topological quantum phase transition in the magnetic semimetal HoSb . Journal of Materials Chemistry C, 2021, 9, 6996-7004.	5.5	4
143	Signatures of Fermi surface topology change in the nodal-line semimetal ZrSiSe . Physical Review B, 2021, 103, .	3.2	4
144	Large negative thermal expansion promoted by microstructure in hexagonal $\text{Fe}_{1-x}\text{Co}_x\text{S}$. Journal of Alloys and Compounds, 2021, 862, 158616.	5.5	4

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145	Phonon-Related Monochromatic THz Radiation and its Magneto-Modulation in 2D Ferromagnetic Cr ₂ Ge ₂ Te ₆ . Advanced Science, 2022, 9, e2103229.	11.2	4
146	Critical Behavior of the (111)-Oriented LaCoO ₃ /SrTiO ₃ Thin Film. Physica Status Solidi (B): Basic Research, 2022, 259, 2100424.	1.5	4
147	Epitaxial growth and room-temperature ferromagnetism of quasi-2D layered Cr ₄ Te ₅ thin film. Journal Physics D: Applied Physics, 2022, 55, 165001.	2.8	4
148	The great effect of magnetic Fe ²⁺ ions on electromagnetic behavior in the Cu _{1-x} Fe _x Ir ₂ S ₄ system. Journal of Physics Condensed Matter, 2009, 21, 026021.	1.8	3
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