

# J L Wang

## List of Publications by Year in descending order

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212  
papers

14,376  
citations

101535

36  
h-index

19747

117  
g-index

218  
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218  
docs citations

218  
times ranked

13095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial BiFeO <sub>3</sub> Multiferroic Thin Film Heterostructures. <i>Science</i> , 2003, 299, 1719-1722.	12.6	5,548
2	Multiferroic BaTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> Nanostructures. <i>Science</i> , 2004, 303, 661-663.	12.6	2,051
3	Ultra-high piezoelectricity in ferroelectric ceramics by design. <i>Nature Materials</i> , 2018, 17, 349-354.	27.5	874
4	A Novel Conductive Polymer-Sulfur Composite Cathode Material for Rechargeable Lithium Batteries. <i>Advanced Materials</i> , 2002, 14, 963-965.	21.0	596
5	The origin of ultra-high piezoelectricity in relaxor-ferroelectric solid solution crystals. <i>Nature Communications</i> , 2016, 7, 13807.	12.8	510
6	Giant piezoelectricity of Sm-doped Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> single crystals. <i>Science</i> , 2019, 364, 264-268.	12.6	479
7	Sulfur mesoporous carbon composites in conjunction with a novel ionic liquid electrolyte for lithium rechargeable batteries. <i>Carbon</i> , 2008, 46, 229-235.	10.3	361
8	Sulfur Graphene Nanostructured Cathodes via Ball-Milling for High-Performance Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2014, 8, 10920-10930.	14.6	213
9	Multifunctional conducting polymer coated Na <sub>1+x</sub> MnFe(CN) <sub>6</sub> cathode for sodium-ion batteries with superior performance via a facile and one-step chemistry approach. <i>Nano Energy</i> , 2015, 13, 200-207.	16.0	165
10	Recent advances in the Heusler based spin-gapless semiconductors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7176-7192.	5.5	146
11	Large magnetoelectric coupling in magnetically short-range ordered Bi <sub>5</sub> Ti <sub>3</sub> FeO <sub>15</sub> film. <i>Scientific Reports</i> , 2014, 4, 5255.	3.3	135
12	Positive and negative exchange bias effects in the simple perovskite manganite NdMnO <sub>3</sub> . <i>Applied Physics Letters</i> , 2012, 101, .	3.3	104
13	Origin of large electric-field-induced strain in pseudo-cubic BiFeO <sub>3</sub> /BaTiO <sub>3</sub> ceramics. <i>Acta Materialia</i> , 2020, 197, 1-9.	7.9	93
14	Excellent thermal stability and aging behaviors in BiFeO <sub>3</sub> /BaTiO <sub>3</sub> piezoelectric ceramics with rhombohedral phase. <i>Journal of the American Ceramic Society</i> , 2020, 103, 374-381.	3.8	83
15	The mechanism for the enhanced piezoelectricity in multi-elements doped (K,Na)NbO <sub>3</sub> ceramics. <i>Nature Communications</i> , 2021, 12, 881.	12.8	82
16	Lead-free SnTe-based thermoelectrics: enhancement of thermoelectric performance by doping with Gd/Ag. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7936-7942.	10.3	77
17	Ambient Scalable Synthesis of Surfactant-Free Thermoelectric CuAgSe Nanoparticles with Reversible Metallic-n-p Conductivity Transition. <i>Journal of the American Chemical Society</i> , 2014, 136, 17626-17633.	13.7	76
18	The effects of sintering temperature on superconductivity in MgB <sub>2</sub> /Fe wires. <i>Superconductor Science and Technology</i> , 2007, 20, 448-451.	3.5	75

#	ARTICLE	IF	CITATIONS
19	Structure and magnetic properties of RNi <sub>2</sub> Mn compounds (R=Tb, Dy, Ho, and Er). Physical Review B, 2006, 73, .	3.2	73
20	Magnetocaloric effect in layered NdMn <sub>2</sub> Ge <sub>0.4</sub> Si <sub>1.6</sub> . Applied Physics Letters, 2011, 98, .	3.3	71
21	Origin of the half-metallic band-gap in newly designed quaternary Heusler compounds ZrVTiZ (Z = Al, Tj ETQq1 1 0,784314 rgBT /Over	3.6	68
22	Effects of C substitution on the pinning mechanism of $MgB_2$ . Physical Review B, 2008, 77, .	3.2	60
23	A full spectrum of spintronic properties demonstrated by a C <sub>1</sub> b <sub>2</sub> -type Heusler compound Mn <sub>2</sub> Sn subjected to strain engineering. Journal of Materials Chemistry C, 2016, 4, 8535-8544.	5.5	59
24	First-principles study of new quaternary Heusler compounds without 3d transition metal elements: ZrRhHfZ (Z=Al, Ga, In). Materials Chemistry and Physics, 2017, 193, 99-108.	4.0	59
25	Systematic study of a MgB <sub>2</sub> +C <sub>4</sub> H <sub>6</sub> O <sub>5</sub> superconductor prepared by the chemical solution route. Superconductor Science and Technology, 2007, 20, 715-719.	3.5	58
26	Search for new half-metallic ferromagnets in semi-Heusler alloys NiCrM (M = P, As, Sb, S, Se and Te). Journal of Physics Condensed Matter, 2003, 15, 7891-7899.	1.8	53
27	Layered P <sub>2</sub> Na <sub>0.66</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> Cathode Material for Rechargeable Sodium-Ion Batteries. ChemElectroChem, 2014, 1, 371-374.	3.4	52
28	Synthesis and magnetic properties of novel compounds R <sub>3</sub> (Fe, T) <sub>29</sub> (R=Y, Ce, Nd, Sm, Gd, Tb, and Dy; T=V) Tj ETQq0 0 0, rgBT /Over	2.5	51
29	Driving Magnetostructural Transitions in Layered Intermetallic Compounds. Physical Review Letters, 2013, 110, 217211.	7.8	48
30	Three-stage Inter-Orthorhombic Evolution and High Thermoelectric Performance in Ag-Doped Nanolaminar SnSe Polycrystals. Advanced Energy Materials, 2017, 7, 1700573.	19.5	48
31	Large entropy change accompanying two successive magnetic phase transitions in TbMn <sub>2</sub> Si <sub>2</sub> for magnetic refrigeration. Applied Physics Letters, 2015, 106, .	3.3	46
32	Strain-induced diverse transitions in physical nature in the newly designed inverse Heusler alloy Zr <sub>2</sub> MnAl. Journal of Alloys and Compounds, 2016, 686, 549-555.	5.5	44
33	Magnetovolume effect and magnetic properties of Dy <sub>2</sub> Fe <sub>17</sub> xMnx. Physical Review B, 2007, 75, .	3.2	43
34	Core-shell nanostructures introduce multiple potential barriers to enhance energy filtering for the improvement of the thermoelectric properties of SnTe. Nanoscale, 2020, 12, 1904-1911.	5.6	43
35	Manipulation of Magnetic Skyrmion in a 2D van der Waals Heterostructure via Both Electric and Magnetic Fields. Advanced Functional Materials, 2021, 31, 2104452.	14.9	40
36	Effect of Mn substitution on the volume and magnetic properties of Er <sub>2</sub> Fe <sub>17</sub> . Journal of Applied Physics, 2002, 92, 1453-1457.	2.5	37

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37	Structure and magneto-history behavior of DyNi <sub>2</sub> Mn. Solid State Communications, 2002, 121, 615-618.	1.9	37
38	Structure and magnetic properties of TbMn <sub>6-<i>x</i></sub> Al <sub><i>x</i></sub> Sn <sub>6</sub> compounds. Journal of Applied Physics, 1997, 82, 760-763.	2.5	34
39	Significant improvement in the critical current density of <i>i</i> in situ <i>i</i> MgB <sub>2</sub> by excess Mg addition. Superconductor Science and Technology, 2007, 20, L43-L47.	3.5	34
40	Tuneable Magnetic Phase Transitions in Layered CeMn <sub>2</sub> Ge <sub>2-<i>x</i></sub> Si <sub><i>x</i></sub> Compounds. Scientific Reports, 2015, 5, 11288.	3.3	34
41	Enhancement of Thermoelectric Properties in Pd-In Co-Doped SnTe and Its Phase Transition Behavior. ACS Applied Materials & Interfaces, 2019, 11, 33792-33802.	8.0	32
42	Half-metallic ferromagnetism in zinc-blende CrBi and the stability of the half-metallicity of zinc-blende CrM (M = P, As, Sb, Bi). Journal of Physics Condensed Matter, 2003, 15, 5017-5024.	1.8	31
43	Critical phenomena and estimation of the spontaneous magnetization by a magnetic entropy analysis in Mn <sub>0.96</sub> Nb <sub>0.04</sub> CoGe alloy. Journal of Applied Physics, 2013, 113, 233903.	2.5	30
44	Structure and magnetic properties of Gd <sub>3</sub> (Fe <sub>1-<i>x</i></sub> Co <sub><i>x</i></sub> ) <sub>25</sub> Cr <sub>4</sub> compounds. Applied Physics Letters, 1999, 74, 4020-4022.	3.3	29
45	Ultra-high thermoelectric performance in SnTe by the integration of several optimization strategies. Materials Today Physics, 2021, 17, 100350.	6.0	29
46	Effect of Mo content on the structure stability of R <sub>3</sub> (Fe,Co,Mo) <sub>29</sub> . Journal of Applied Physics, 2003, 93, 6921-6923.	2.5	28
47	The magnetocaloric effect and critical behaviour of the Mn <sub>0.94</sub> Ti <sub>0.06</sub> CoGe alloy. Journal of Physics Condensed Matter, 2013, 25, 056001.	1.8	28
48	The magneto-structural transition in Mn <sub>1-<i>x</i></sub> Fe <sub><i>x</i></sub> CoGe. Journal Physics D: Applied Physics, 2016, 49, 175003.	2.8	28
49	First-order magneto-structural transition and magnetocaloric effect in Mn(Co <sub>0.96</sub> Fe <sub>0.04</sub> )Ge. Journal of Alloys and Compounds, 2017, 693, 32-39.	5.5	28
50	Magnetic and Structural Transitions Tuned through Valence Electron Concentration in Magnetocaloric Mn(Co <sub>1-<i>x</i></sub> Ni <sub><i>x</i></sub> )Ge. Chemistry of Materials, 2018, 30, 1324-1334.	6.7	28
51	The intrinsic magnetic properties of novel R <sub>3</sub> (Fe,Mo) <sub>29</sub> compounds (R=Ce, Nd, Sm, Gd and Y). Solid State Communications, 1996, 98, 259-263.	1.9	27
52	Re-entrant ferromagnet PrMn <sub>2</sub> Ge <sub>0.8</sub> Si <sub>1.2</sub> : Magnetocaloric effect. Journal of Applied Physics, 2009, 105, 07A909.	2.5	27
53	Improvement of refrigerant capacity of La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> material with a few percent Co doping. Journal of Magnetism and Magnetic Materials, 2011, 323, 138-143.	2.3	25
54	High Thermoelectric Performance of SnTe by the Synergistic Effect of Alloy Nanoparticles with Elemental Elements. ACS Applied Energy Materials, 2019, 2, 7354-7363.	5.1	25

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55	Magnetic structures and phase transitions in $\text{PrMn}_{2-x}\text{Fe}_x\text{Ge}_2$ . Journal of Applied Physics, 2008, 104, .	2.5	24
56	Magnetovolume effect in $\text{ThMn}_{12}$ -type Fe-rich $\text{R}(\text{Fe},\text{Nb})_{12}$ -based compounds. Physica B: Condensed Matter, 2002, 319, 73-77.	2.7	23
57	Phase formation and magnetic properties of $\text{YFe}_{12-x}\text{Nb}_x$ ( $x=0.70\text{--}0.90$ ) compounds. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1192-1194.	2.3	23
58	Effects of Cu substitution on structural and magnetic properties of $\text{La}_{0.7}\text{Pr}_{0.3}\text{Fe}_{11.4}\text{Si}_{1.6}$ compounds. Intermetallics, 2013, 36, 1-7.	3.9	23
59	Magnetic phase transitions and entropy change in layered $\text{NdMn}_{1.7}\text{Cr}_{0.3}\text{Si}_2$ . Applied Physics Letters, 2014, 104, 042401.	3.3	23
60	Spin reorientation and crystal-field interaction in $\text{TbFe}_{12-x}\text{Ti}_x$ single crystals. Physical Review B, 2003, 67, .	3.2	22
61	A study of the magnetocrystalline anisotropy of $\text{RFe}_{11-x}\text{Co}_x\text{Ti}$ compounds with $\text{R} = \text{Y}$ and $\text{Er}$ . Journal of Physics Condensed Matter, 2001, 13, 1617-1626.	1.8	21
62	Study the effect of alloying on the phase transition behavior and thermoelectric properties of $\text{Ag}_2\text{S}$ . Journal of Alloys and Compounds, 2021, 886, 161241.	5.5	21
63	Structural and magnetic properties of $\text{Sm}_3(\text{Fe}_{1-x}\text{Co}_x)_2\text{Cr}_y$ compounds. Journal of Alloys and Compounds, 2003, 358, 12-16.	5.5	20
64	Ti substitution for Mn in $\text{MnCoGe}$ – The magnetism of $\text{Mn}_{0.9}\text{Ti}_{0.1}\text{CoGe}$ . Journal of Alloys and Compounds, 2013, 577, 475-479.	5.5	20
65	Tuning the magnetic and structural transitions in $\text{TbCa}_2\text{Mn}_2\text{M}_x\text{N}_x$ compounds. Physical Review B, 2017, 96, .	3.2	20
66	Formation and magnetic properties of $\text{R}_3(\text{Fe},\text{Mo})_{29}$ intermetallic compounds ( $\text{R} \rightarrow \text{Nd}, \text{Sm}$ and $\text{Gd}$ ). Journal of Magnetism and Magnetic Materials, 1996, 159, 352-356.	2.3	19
67	Investigation of the critical behavior in $\text{Mn}_{0.94}\text{Nb}_{0.06}\text{CoGe}$ alloy by using the field dependence of magnetic entropy change. Journal of Applied Physics, 2013, 113, .	2.5	19
68	Structural and magnetic properties of $\text{R}(\text{Fe}_{1-x}\text{Co}_x)_2\text{Mn}_2\text{Nb}_x$ compounds. Journal of Applied Physics, 2002, 91, 2165-2171.	2.5	18
69	Magnetic properties and magnetocaloric effect of $\text{NdMn}_{2-x}\text{Cu}_x\text{Si}_2$ compounds. Journal of Applied Physics, 2014, 115, 17A921.	2.5	18
70	Magnetic phase transitions in $\text{PrLuMn}_2\text{Ge}_2$ compounds. Journal of Physics Condensed Matter, 2009, 21, 124217.	1.8	17
71	Magnetic properties and magnetocaloric effect of $\text{NdMn}_2\text{Ti}_x\text{Si}_{2-x}$ compounds. Journal Physics D: Applied Physics, 2013, 46, 445002.	2.8	17
72	Magnetic and electrical response of Co-doped $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ manganites/insulator system. Physica B: Condensed Matter, 2017, 504, 58-62.	2.7	17

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73	Maximizing phonon scattering efficiency by Cu <sub>2</sub> Se alloying in AgCuTe thermoelectric materials. Journal of Materials Chemistry A, 2022, 10, 6701-6712.	10.3	17
74	Magnetic properties of R <sub>2</sub> Fe <sub>17</sub> Å <sup>x</sup> Gax compounds (R=Y, Ho). Journal of Applied Physics, 1994, 76, 6740-6742.	2.5	16
75	Excess Mg addition MgB <sub>2</sub> /Fe wires with enhanced critical current density. Journal of Applied Physics, 2008, 103, 083911.	2.5	16
76	Reduction of hysteresis losses in the magnetic refrigerant La <sub>0.8</sub> Ce <sub>0.2</sub> Fe <sub>11.4</sub> Si <sub>1.6</sub> by the addition of boron. Journal of Applied Physics, 2011, 109, 07A940.	2.5	16
77	Phase gap in pseudoternary R <sub>1</sub> Å <sup>x</sup> Gax compounds (R=Y, Ho). Journal of Applied Physics, 1994, 76, 6740-6742.	3.2	16
78	Origin of d <sub>0</sub> half-metallic characteristic in DO <sub>3</sub> -type XO <sub>3</sub> (X=Li, Na, K and Rb) compounds. Journal of Magnetism and Magnetic Materials, 2016, 412, 95-101.	2.3	16
79	Optimization of Ferroelectric Ordering and Thermal Stability in Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> -Based Lead-Free Single Crystal through Defect Engineering. ACS Applied Materials & Interfaces, 2021, 13, 60995-61003.	8.0	16
80	Magnetic properties of Sm <sub>2</sub> (Fe <sub>17</sub> Å <sup>x</sup> Gax) <sub>17</sub> (x=0-0.5) compounds and their nitrides. Journal of Applied Physics, 1994, 76, 6743-6745.	2.5	15
81	Magnetic structure and site occupancies in YFe <sub>11</sub> Å <sup>x</sup> CoxTi (x=1,3,7,9). Journal of Applied Physics, 1999, 86, 2155-2160.	2.5	15
82	<sup>57</sup> Fe Mössbauer and magnetic studies of ErFe <sub>12</sub> Å <sup>x</sup> Nbx. Journal of Physics Condensed Matter, 2005, 17, 3689-3700.	1.8	15
83	High Thermoelectric Performance of Bi <sub>0.46</sub> Sb <sub>1.54</sub> Te <sub>3</sub> -SnTe: Synergistic Modulation of Electrical and Thermal Transport by the Introduction of Thermoelectric Hetero Nano Region. ACS Applied Materials & Interfaces, 2019, 11, 36658-36665.	8.0	15
84	Magnetocrystalline anisotropy of novel R <sub>3</sub> (Fe, M) <sub>29</sub> compounds. Journal of Physics Condensed Matter, 1999, 11, 5313-5320.	1.8	14
85	On the crystal structure and magnetic properties of the Mn <sub>0.94</sub> Ti <sub>0.06</sub> CoGe alloy. Journal of Applied Physics, 2013, 113, 17A941.	2.5	14
86	Negative Thermal Expansion of Ni-Doped MnCoGe at Room-Temperature Magnetic Tuning. ACS Applied Materials & Interfaces, 2019, 11, 17531-17538.	8.0	14
87	Structure and magnetic properties of. Journal of Physics Condensed Matter, 1996, 8, 1851-1856.	1.8	13
88	Magnetovolume effects of Y-Fe-Co-Ti intermetallics. Journal of Applied Physics, 2002, 91, 8216.	2.5	13
89	Synthesis, thermal expansion, and magnetic properties of Gd <sub>3</sub> (Fe,Co,Cr) <sub>29</sub> compounds. Journal of Applied Physics, 2003, 93, 6924-6926.	2.5	13
90	Abnormal magnetic behaviors and large magnetocaloric effect in MnPS <sub>3</sub> nanoparticles. Journal of Applied Physics, 2012, 111, 07E144.	2.5	13

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91	Pressure induced magneto-structural phase transitions in layered $R_2MnX_2$ compounds (invited). Journal of Applied Physics, 2014, 115, .	2.5	13
92	Magnetic properties of $Sm_2Fe_{17}Ni_y$ with Al substituted for Fe. Journal of Alloys and Compounds, 1995, 221, 248-253.	5.5	12
93	Formation and magnetic properties of novel compounds $Tb_3(Fe_{1-x}V_x)_2$ . Journal of Applied Physics, 1997, 81, 3248-3252.	2.5	12
94	Magnetic properties of $Y(Fe,M)_{10}Si_2$ compounds (M=Fe, Ni, Co and Mn). Journal of Magnetism and Magnetic Materials, 1997, 166, 355-360.	2.3	12
95	Critical magnetic transition in $TbNi_2Mn$ magnetization and Mössbauer spectroscopy. Journal of Physics Condensed Matter, 2011, 23, 216002.	1.8	12
96	Magnetovolume effect in $Ho_2Fe_{17-x}Mn_x$ compounds. Journal of Applied Physics, 2012, 111, 07A911.	2.5	12
97	A $^{57}Fe$ Mössbauer study of magnetocaloric Fe doped MnCoGe. Hyperfine Interactions, 2015, 231, 75-84.	0.5	12
98	Simultaneous tuning of magnetocrystalline anisotropy and spin reorientation transition via Cu substitution in Mn-Ni-Ga magnets for nanoscale biskyrmion formation. Physical Review B, 2019, 100, .	3.2	12
99	Magnetic properties of $R_2(Fe_{1-x}Ga_x)_{17}$ compounds with $R \rightarrow Y, Sm, Dy, Ho$ . Journal of Magnetism and Magnetic Materials, 1995, 140-144, 979-980.	2.3	11
100	Structural and magnetic properties of $(Nd_{1-x}R_x)_3Fe_{27.31}Ti_{1.69}$ compounds with $R = Dy$ and $Er$ . Journal Physics D: Applied Physics, 2001, 34, 3331-3336.	2.8	11
101	Magnetic properties of $PrMn_2Fe_xGe_2$ $^{57}Fe$ Mössbauer spectroscopy. Journal of Physics Condensed Matter, 2006, 18, 189-204.	1.8	11
102	Magnetocaloric effect in $HoMn_2Si_2$ compound with multiple magnetic phase transitions. Intermetallics, 2016, 78, 50-54.	3.9	11
103	Magnetic interactions in $R_2(Fe_{1-x}Gax)_{17}$ ( $R = Dy, Y$ ) compounds. Journal of Magnetism and Magnetic Materials, 1994, 137, 275-280.	2.3	10
104	Formation, structure and magnetic properties of $TbFe_{12-x}Nb_x$ compounds. Journal of Alloys and Compounds, 1999, 289, 228-232.	5.5	10
105	Spin reorientation and magnetohistory of $DyFe_{12-x}Nb_x$ compounds. Journal of Physics Condensed Matter, 2001, 13, 1733-1741.	1.8	10
106	Formation, structural and magnetic properties of $Gd_3(Co,Cr)_2$ compounds. Journal of Applied Physics, 2001, 90, 1920-1923.	2.5	10
107	Structural and magnetic properties of $(Nd_{1-x}Tb_x)_3Fe_{27.31}Ti_{1.69}$ ( $0 \leq x \leq 1.0$ ) compounds. Physica B: Condensed Matter, 2002, 319, 52-58.	2.7	10
108	Mechanosynthesis of nanocrystalline $MgFe_2O_4$ neutron diffraction and Mössbauer spectroscopy. Hyperfine Interactions, 2010, 198, 67-71.	0.5	10

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109	Magnetic phase transition and Mössbauer spectroscopy of ErNi <sub>2</sub> Mn <sub>x</sub> compounds. Journal of Applied Physics, 2011, 109, 07E304.	2.5	10
110	Magnetic properties in polycrystalline and single crystal Ca-doped LaCoO <sub>3</sub> . Journal of Applied Physics, 2011, 109, .	2.5	10
111	Magnetocrystalline anisotropy of TbFe <sub>12-x</sub> Ti <sub>x</sub> single crystals. Applied Physics Letters, 2000, 76, 1170-1172.	3.3	9
112	Magnetic properties and magnetocaloric effect of (Mn <sub>1-x</sub> Ni <sub>x</sub> ) <sub>3</sub> Sn <sub>2</sub> (x=0-0.5) compounds. Journal of Applied Physics, 2009, 105, .	2.5	9
113	Magnetism and magnetic structures of PrMn <sub>2</sub> Ge <sub>2</sub> Si <sub>x</sub> . Journal of Physics Condensed Matter, 2013, 25, 386003.	1.8	9
114	Magnetism and magnetocaloric effect of Mn <sub>0.98</sub> Fe <sub>0.02</sub> CoGe. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1101-1105.	1.8	9
115	Magnetic Properties and Magnetocaloric Effect of Binary Compound NdPd. Journal of Low Temperature Physics, 2020, 198, 1-10.	1.4	9
116	Coherent spin rotation-induced zero thermal expansion in MnCoSi-based spiral magnets. NPG Asia Materials, 2021, 13, .	7.9	9
117	Superconductivity in Y(Ni <sub>1-x</sub> Pt <sub>x</sub> ) <sub>2</sub> B <sub>2</sub> C compounds. Journal of Physics Condensed Matter, 1995, 7, 2369-2373.	1.8	8
118	Magnetic properties of Sm <sub>2</sub> Co <sub>17-x</sub> Cr <sub>x</sub> (0 ≤ x ≤ 3.0) compounds. Journal of Alloys and Compounds, 2004, 377, 78-81.	5.5	8
119	Magnetocaloric effect and magnetostructural coupling in Mn <sub>0.92</sub> Fe <sub>0.08</sub> CoGe compound. Journal of Applied Physics, 2015, 117, 17D103.	2.5	8
120	Magnetocaloric effect in the metamagnet ErRhSi compound. Journal of Applied Physics, 2016, 120, 233902.	2.5	8
121	New insight into magneto-structural phase transitions in layered TbMn <sub>2</sub> Ge <sub>2</sub> -based compounds. Scientific Reports, 2017, 7, 45814.	3.3	8
122	Performance and limitation of mineral oil-based carbon nanotubes nanofluid in transformer application. AEJ - Alexandria Engineering Journal, 2022, 61, 9623-9635.	6.4	8
123	Magnetic properties of Er <sub>2</sub> Fe <sub>17-x</sub> Al <sub>x</sub> Ni <sub>y</sub> compounds. Journal of Applied Physics, 1994, 75, 6241-6243.	2.5	7
124	Magnetic properties of Y(Fe <sub>0.8</sub> M <sub>0.2</sub> ) <sub>11.3</sub> Nb <sub>0.7</sub> compounds with M=Mn, Fe, Co, Ni, Al, and Ga. Journal of Applied Physics, 1997, 81, 5131-5133.	2.5	7
125	Structural and magnetic properties of Er <sub>2</sub> Fe <sub>15</sub> M <sub>2</sub> compounds with M=Mn, Fe, Ni, Al, Ga and Si. Journal of Magnetism and Magnetic Materials, 1998, 185, 345-352.	2.3	7
126	Structural and magnetic properties of R <sub>2</sub> (Fe,Si) <sub>17</sub> compounds with R=Tb and Er. Journal of Alloys and Compounds, 1999, 284, 289-294.	5.5	7



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127	Formation, structure and magnetic properties of Nd <sub>3</sub> Fe <sub>26.8</sub> Co <sub>x</sub> V <sub>2.2</sub> compounds. Journal Physics D: Applied Physics, 2003, 36, 1759-1763.	2.8	7
128	Effects of Cr substitution on structural and magnetic properties in La <sub>0.7</sub> Pr <sub>0.3</sub> Fe <sub>11.4</sub> Si <sub>1.6</sub> compound. Journal of Applied Physics, 2014, 115, 17A942.	2.5	7
129	Magnetism and Thermomechanical Properties in Si Substituted MnCoGe Compounds. Crystals, 2021, 11, 694.	2.2	7
130	Effects of Co on Magnetic Properties of YFe <sub>11</sub> Ti Compounds. Journal of the Magnetism Society of Japan, 1999, 23, 459-461.	0.4	7
131	A study on the exchange interaction in R <sub>2</sub> Fe <sub>17</sub> compounds. Journal of Applied Physics, 1996, 79, 7883-7886.	2.5	6
132	Magnetohistory effects and spin reorientations of Nd <sub>3</sub> Fe <sub>29</sub> T <sub>x</sub> and Nd <sub>3</sub> Fe <sub>29</sub> T <sub>x</sub> N <sub>4</sub> (T=V and Cr) compounds. Journal of Applied Physics, 1997, 81, 5170-5172.	2.5	6
133	Structural and magnetic properties of compounds with R = Dy and Er. Journal of Physics Condensed Matter, 1998, 10, 1413-1420.	1.8	6
134	Magnetic properties of RFe <sub>11.3</sub> Nb <sub>0.7</sub> compounds (R=rare earth). Journal of Applied Physics, 1999, 85, 4684-4686.	2.5	6
135	Formation and magnetic properties of Nd <sub>3</sub> Fe <sub>29</sub> T <sub>x</sub> (x=1.3-2.0) compounds. Journal of Alloys and Compounds, 2001, 319, 80-84.	5.5	6
136	Stress/Strain Induced Flux Pinning in Highly Dense $\{m \text{ MgB} \}_2$ Bulks. IEEE Transactions on Applied Superconductivity, 2009, 19, 2722-2725.	1.7	6
137	Neutron diffraction study of MnNiGa <sub>2</sub> Structural and magnetic behaviour. Journal of Applied Physics, 2014, 115, 17A904.	2.5	6
138	Magnetic properties of (Er,R) <sub>2</sub> Fe <sub>17</sub> Ny compounds (R=Y,Gd). Journal of Applied Physics, 1994, 75, 6238-6240.	2.5	5
139	Magnetic properties of Ho(Fe <sub>1-x</sub> Ni <sub>x</sub> ) <sub>11.3</sub> Nb <sub>0.7</sub> compounds. Journal of Alloys and Compounds, 1996, 244, 157-160.	5.5	5
140	Phase formation and magnetic properties of Nd <sub>3</sub> (Fe,Co,Ti) <sub>29</sub> compounds. Journal of Applied Physics, 2000, 87, 5272-5274.	2.5	5
141	Structural and magnetic properties of RCo <sub>12-x</sub> Ti <sub>x</sub> (R = Y and Sm) and YFe <sub>12-x</sub> Ti <sub>x</sub> compounds. Journal Physics D: Applied Physics, 2001, 34, 307-312.	2.8	5
142	Magnetic transitions and the magnetocaloric effect in the Pr <sub>1-x</sub> Y <sub>x</sub> Mn <sub>2</sub> Ge <sub>2</sub> system. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1092-1100.	1.8	5
143	Anomalies in magnetoelastic properties of DyFe <sub>11.2</sub> Nb <sub>0.8</sub> compound. Journal of Applied Physics, 2015, 117, .	2.5	5
144	Structure, room temperature spin reorientation and its dynamics in DyFe <sub>0.6</sub> Mn <sub>0.4</sub> O <sub>3</sub> . Journal of Alloys and Compounds, 2016, 680, 226-231.	5.5	5

#	ARTICLE	IF	CITATIONS
145	Structure and magnetic properties of GdMn <sub>1-x</sub> Co <sub>x</sub> Si compounds. Journal of Alloys and Compounds, 1998, 265, 26-28.	5.5	4
146	Metamagnetic Transition in ErMn <sub>6</sub> Sn <sub>6</sub> . Physica Status Solidi (B): Basic Research, 1999, 214, 135-140.	1.5	4
147	Structure and magnetic properties of (Nd <sub>1-x</sub> Ho <sub>x</sub> ) <sub>3</sub> Fe <sub>23</sub> Co <sub>6</sub> V <sub>y</sub> compounds. Journal of Applied Physics, 2003, 93, 6927-6929.	2.5	4
148	Magnetic properties of Ho <sub>2</sub> Fe <sub>17-x</sub> Mn <sub>x</sub> influence of Mn substitution. Journal of Physics: Conference Series, 2010, 200, 082025.	0.4	4
149	Structural properties and magnetic phase transition in HoNi <sub>2</sub> Mn (57Fe). Journal of Applied Physics, 2012, 111, 07E334.	2.5	4
150	Substitution of Y for Pr in PrMn <sub>2</sub> Ge <sub>2</sub> —The magnetism of Pr <sub>0.8</sub> Y <sub>0.2</sub> Mn <sub>2</sub> Ge <sub>2</sub> . Journal of Applied Physics, 2013, 113, 17E147.	2.5	4
151	Magnetic Properties and Magnetocaloric Effect in Layered NdMn <sub>1.9</sub> V <sub>0.1</sub> Si <sub>2</sub> . EPJ Web of Conferences, 2014, 75, 04001.	0.3	4
152	Experimental investigation and thermodynamic assessment of the Mn—In binary system. Thermochemica Acta, 2015, 607, 74-81.	2.7	4
153	First Observation of Low-Temperature Magnetic Transition in CuAgSe. Journal of Physical Chemistry C, 2018, 122, 19139-19145.	3.1	4
154	Structure analysis using XRD refinement for replacement of copper (Cu) with manganese (Mn) in NdMn <sub>2</sub> Si <sub>2</sub> compound. AIP Conference Proceedings, 2019, , .	0.4	4
155	Observation of Short-Period Helical Spin Order and Magnetic Transition in a Nonchiral Centrosymmetric Helimagnet. Advanced Functional Materials, 2022, 32, .	14.9	4
156	Study of the exchange interactions in R <sub>3</sub> (Fe,M) <sub>29</sub> intermetallic compounds. Journal of Magnetism and Magnetic Materials, 1996, 164, 197-200.	2.3	3
157	Investigation of <sup>57</sup> Fe Mössbauer spectra of YFe <sub>10-x</sub> Co <sub>x</sub> Si <sub>2</sub> (x=0,2, and 6) compounds. Solid State Communications, 1997, 101, 635-637.	1.9	3
158	Structural and Magnetic Properties of Tb(Fe <sub>1-x</sub> Ni <sub>x</sub> ) <sub>11.3</sub> Nb <sub>0.7</sub> Compounds. Chinese Physics Letters, 1998, 15, 922-924.	3.3	3
159	A study of Magnetic Properties of SmFe <sub>12-x</sub> Nb <sub>x</sub> Compounds. Journal of the Magnetism Society of Japan, 1999, 23, 456-458.	0.4	3
160	Magnetocrystalline anisotropy in R(Fe,Co) <sub>11.3</sub> Nb <sub>0.7</sub> compounds with R = Dy and Er. Journal of Physics Condensed Matter, 1999, 11, 7347-7356.	1.8	3
161	High-field magnetization of Er(Fe, Ni) <sub>10</sub> Si <sub>2</sub> compounds. Journal of Physics Condensed Matter, 1999, 11, 5855-5864.	1.8	3
162	Structure and magnetic properties of ErFe <sub>11-x</sub> Ga <sub>x</sub> Ti. Journal of Physics Condensed Matter, 2000, 12, 10571-10578.	1.8	3

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163	Magnetic order in YbMn <sub>2</sub> Si <sub>2</sub> – Neutron scattering investigation. Journal of the Korean Physical Society, 2013, 63, 314-319.	0.7	3
164	A comparative study of magnetic behaviors in TbNi <sub>2</sub> , TbMn <sub>2</sub> and TbNi <sub>2</sub> Mn. Journal of Applied Physics, 2014, 115, 17E135.	2.5	3
165	Magnetic transitions in LaFe <sub>13-x</sub> YCo <sub>6</sub> compounds. Hyperfine Interactions, 2014, 226, 405-413.	0.5	3
166	Direct evidence of Ni magnetic moment in TbNi <sub>2</sub> Mn – X-ray magnetic circular dichroism. Journal of Magnetism and Magnetic Materials, 2014, 370, 32-36.	2.3	3
167	Collapse and reappearance of magnetic orderings in spin frustrated TbMnO <sub>3</sub> induced by Fe substitution. Applied Physics Letters, 2016, 109, 102401.	3.3	3
168	Charge ordering and exchange bias behaviors in Co <sub>3</sub> O <sub>4</sub> porous nanoplatelets and nanorings. Journal of Magnetism and Magnetic Materials, 2017, 421, 422-427.	2.3	3
169	Rare Earth Element Doping Introduces Pores to Improve Thermoelectric Properties of p-Type Bi <sub>0.46</sub> Sb <sub>1.54</sub> Te <sub>3</sub> . ACS Applied Energy Materials, 2021, 4, 9751-9757.	5.1	3
170	Magnetic structure, magneto-caloric properties and magnetic critical behaviours of LaMn <sub>2</sub> Ge <sub>2</sub> compounds. Journal of Alloys and Compounds, 2022, 909, 164784.	5.5	3
171	Orientation and actual growth mechanism of ZnO nanorods through hydrothermal method on gold seed layer. AIP Advances, 2021, 11, .	1.3	3
172	High-field magnetization process of Sm <sub>2</sub> (Fe <sub>1-x</sub> Ga <sub>x</sub> ) <sub>17</sub> compounds. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 985-986.	2.3	2
173	Magnetic properties of Tb <sub>2</sub> (Fe, Cr) <sub>17</sub> single crystal. Journal of Physics Condensed Matter, 1999, 11, 5169-5174.	1.8	2
174	Crystallographic and intrinsic magnetic properties of Nd <sub>1-x</sub> Dy <sub>x</sub> Fe <sub>10.5</sub> Mo <sub>1.5</sub> compounds and their nitrides (x=0.0~1.0). Physica B: Condensed Matter, 1999, 266, 146-151.	2.7	2
175	Magnetocrystalline Anisotropy and Exchange Interaction in YCo <sub>12-x</sub> Ti <sub>x</sub> Compounds. Chinese Physics Letters, 2000, 17, 765-767.	3.3	2
176	Structure and magnetic properties of (Nd <sub>1-x</sub> Er <sub>x</sub> ) <sub>3</sub> Fe <sub>18</sub> Co <sub>6</sub> Cr <sub>5</sub> (x=0.0~0.8) compounds. Journal Physics D: Applied Physics, 2002, 35, 3161-3165.	2.8	2
177	Magnetic phase transition in MnFeP <sub>0.5</sub> As <sub>0.4</sub> Si <sub>0.1</sub> . Journal of Physics: Conference Series, 2010, 217, 012132.	0.4	2
178	Crossing point phenomena (T* = 2.7 K) in specific heat curves of superconducting ferromagnets RuSr <sub>2</sub> Gd <sub>1.4</sub> Ce <sub>0.6</sub> Cu <sub>2</sub> O <sub>10-f</sub> . Journal of Applied Physics, 2012, 111, 07E140.	2.5	2
179	DyNi <sub>2</sub> Mn – magnetisation and Mössbauer spectroscopy. Hyperfine Interactions, 2012, 208, 43-48.	0.5	2
180	Critical behaviour of Ho <sub>2</sub> Fe <sub>17-x</sub> Mn <sub>x</sub> – magnetisation and Mössbauer spectroscopy. Hyperfine Interactions, 2013, 219, 49-55.	0.5	2

#	ARTICLE	IF	CITATIONS
181	57 Fe Mössbauer and magnetic studies of Nd <sub>3</sub> Fe <sub>24.5</sub> Cr <sub>4.5</sub> . <i>Hyperfine Interactions</i> , 2015, 231, 65-74.	0.5	2
182	The Critical Behaviour and Magnetism of MnCoGe <sub>0.97</sub> Al <sub>0.03</sub> Compounds. <i>Crystals</i> , 2022, 12, 205.	2.2	2
183	In situ generation of flower-like and microspherical dendrites to improve thermoelectric properties of p-type Bi <sub>0.46</sub> Sb <sub>1.54</sub> Te <sub>3</sub> . <i>Materials Today Physics</i> , 2022, 23, 100633.	6.0	2
184	High-field magnetic properties of Ho <sub>2</sub> Fe <sub>15</sub> M <sub>2</sub> compounds (M → Al, Ga, Ni and Si). <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 159, 357-360.	2.3	1
185	Structure and magnetic properties of compounds. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 175-178.	1.8	1
186	A study of the magnetocrystalline anisotropy of Sm <sub>1-x</sub> Dy <sub>x</sub> Fe <sub>10.5</sub> Mo <sub>1.5</sub> (x = 0–1.0). <i>Journal of Materials Science</i> , 1999, 34, 4965-4968.	3.7	1
187	Influence on magnetic properties of substitution of Co for Fe in TbFe <sub>11.3</sub> Nb <sub>0.7</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 195, 26-30.	2.3	1
188	Magnetic properties of R(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>11.3</sub> Nb <sub>0.7</sub> (R=Y,Ho) compounds. <i>Journal of Applied Physics</i> , 2000, 87, 5293-5295.	2.5	1
189	Sm <sub>3</sub> (Fe,Co,Mo) <sub>29</sub> compounds: promising materials for permanent magnets. <i>Chinese Physics B</i> , 2003, 12, 661-664.	1.3	1
190	Magnetovolume effects in Dy <sub>2</sub> Fe <sub>17-x</sub> Mn <sub>x</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, e569-e571.	2.3	1
191	57Fe Mössbauer and magnetic studies of DyFe <sub>12-x</sub> Ta <sub>x</sub> compounds. <i>Hyperfine Interactions</i> , 2007, 168, 1097-1102.	0.5	1
192	Identification of factors limiting the critical current density in MgB <sub>2-x</sub> C <sub>x</sub> superconductors at low magnetic fields. <i>Journal of Physics: Conference Series</i> , 2008, 97, 012314.	0.4	1
193	Improvement of $J_c$ and $H_{c2}$ in MgB <sub>2</sub> superconductor with citric acid addition. <i>Journal of Physics: Conference Series</i> , 2008, 97, 012215.	0.4	1
194	Neutron diffraction study of the magnetic order in NdMn <sub>2</sub> Ge <sub>1.6</sub> Si <sub>0.4</sub> . <i>Journal of Physics: Conference Series</i> , 2011, 303, 012022.	0.4	1
195	Publisher's Note: Driving Magnetostructural Transitions in Layered Intermetallic Compounds [Phys. Rev. Lett. <b>110</b> , 217211 (2013)]. <i>Physical Review Letters</i> , 2013, 110, .	7.8	1
196	Magnetic Transition and Magnetocaloric Effect of Gd <sub>1-x</sub> Nd <sub>x</sub> Mn <sub>2</sub> Ge <sub>2</sub> (x = 0.3 and 0.4) Compounds. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3711-3716.	1.8	1
197	High pressure synchrotron x-ray diffraction study of the Mn <sub>0.94</sub> Ti <sub>0.06</sub> CoGe alloy. <i>Physica B: Condensed Matter</i> , 2019, 554, 5-8.	2.7	1
198	Magnetic interplay of Mn and Yb sites in YbMn <sub>2</sub> Si <sub>2</sub> – Crystal field splitting. <i>Journal of Alloys and Compounds</i> , 2020, 845, 155316.	5.5	1

#	ARTICLE	IF	CITATIONS
199	Thermomagnetic Behavior and First Order Magnetization Processes of $\text{Sm}_3\text{Fe}_{29}\text{Tx}$ and $\text{Sm}_3\text{Fe}_{29}\text{TxN}_4$ (T = V and Cr). <i>Physica Status Solidi A</i> , 1998, 168, 487-493.	1.7	0
200	Magnetic Properties of $\text{Sm}_2\text{Co}_{17-x}\text{Cr}_x$ (0 ≤ x ≤ 3.0) Compounds. <i>ChemInform</i> , 2004, 35, no.	0.0	0
201	Growth of atomically flat nanofilms and surface superstructures of intrinsic liquid alloys. <i>Applied Physics Letters</i> , 2008, 92, 143116.	3.3	0
202	Magnetic Structures of $\text{Pr}_{0.8}\text{Lu}_{0.2}\text{Mn}_2\text{Ge}_2$ and $\text{Pr}_{0.6}\text{Lu}_{0.4}\text{Mn}_2\text{Ge}_2$ . <i>IEEE Transactions on Magnetics</i> , 2011, 47, 2893-2896.	2.1	0
203	Magnetism and the magnetocaloric effect in $\text{PrMn}_{1.6}\text{Fe}_{0.4}\text{Ge}_2$ . <i>Hyperfine Interactions</i> , 2013, 221, 35-43.	0.5	0
204	Effect on Heat Treatment and Doping of Cubic $\text{NaZn}_{13}$ -Type $\text{La}_{0.7}\text{Pr}_{0.3}(\text{Fe,Si})_{13}$ for Magnetic Refrigerator Application. , 0, , .		0
205	Systematically study on the magnetism and critical behaviour of layered $\text{NdMn}_{1.4}\text{Cu}_{0.6}\text{Si}_2$ . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
206	Experimental study and thermodynamic calculation of the Mn-Dy and Mn-Ho binary systems. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2019, 66, 101635.	1.6	0
207	$\text{R}_3(\text{Fe,T})_{29}$ intermetallic compounds - Magnetoelastic coupling in $\text{Sm}_3(\text{Co}_x\text{Fe}_{1-x})_{29-y}\text{Cr}_y$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 533, 168013.	2.3	0
208	$^{57}\text{Fe}$ Mössbauer and magnetic studies of $\text{DyFe}_{12-x}\text{Ta}_x$ compounds. , 2006, , 1097-1102.		0
209	Mechanosynthesis of nanocrystalline $\text{MgFe}_2\text{O}_4$ - neutron diffraction and Mössbauer spectroscopy. , 2010, , 413-417.		0
210	Magnetostriction and phase separation in $\text{PrMn}_2\text{Ge}_2-x\text{Si}_x$ compounds. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C208-C208.	0.3	0
211	Critical behaviour of $\text{Ho}_2\text{Fe}_{17-x}\text{Mn}_x$ magnetisation and Mössbauer spectroscopy. , 2012, , 367-373.		0
212	Magnetism and the magnetocaloric effect in $\text{PrMn}_{1.6}\text{Fe}_{0.4}\text{Ge}_2$ . , 2012, , 129-137.		0