

J L Wang

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.

205
papers

11,789
citations

33
h-index

107
g-index

218
ext. papers

13,109
ext. citations

4.5
avg, IF

5.69
L-index

#	Paper	IF	Citations
205	The Critical Behaviour and Magnetism of MnCoGe _{0.97} Al _{0.03} Compounds. <i>Crystals</i> , 2022 , 12, 205	2.3	
204	In Situ Generation of Flower-like and Microspherical Dendrites to Improve Thermoelectric Properties of p-Type Bi _{0.46} Sb _{1.54} Te ₃ . <i>Materials Today Physics</i> , 2022 , 100633	8	0
203	Magnetic structure, magneto-caloric properties and magnetic critical behaviours of LaMn ₂ Ge ₂ compounds. <i>Journal of Alloys and Compounds</i> , 2022 , 909, 164784	5.7	0
202	Performance and limitation of mineral oil-based carbon nanotubes nanofluid in transformer application. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 9623-9635	6.1	1
201	Coherent spin rotation-induced zero thermal expansion in MnCoSi-based spiral magnets. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	2
200	Ultra-high thermoelectric performance in SnTe by the integration of several optimization strategies. <i>Materials Today Physics</i> , 2021 , 17, 100350	8	13
199	Magnetism and Thermomechanical Properties in Si Substituted MnCoGe Compounds. <i>Crystals</i> , 2021 , 11, 694	2.3	4
198	The mechanism for the enhanced piezoelectricity in multi-elements doped (K,Na)NbO ceramics. <i>Nature Communications</i> , 2021 , 12, 881	17.4	25
197	Manipulation of Magnetic Skyrmion in a 2D van der Waals Heterostructure via Both Electric and Magnetic Fields. <i>Advanced Functional Materials</i> , 2021 , 31, 2104452	15.6	5
196	Rare Earth Element Doping Introduces Pores to Improve Thermoelectric Properties of p-Type Bi _{0.46} Sb _{1.54} Te ₃ . <i>ACS Applied Energy Materials</i> , 2021 , 4, 9751-9757	6.1	2
195	R ₃ (Fe,T) ₂₉ intermetallic compounds - Magnetoelastic coupling in Sm ₃ (Co _x Fe _{1-x}) _{29-y} Cry. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 533, 168013	2.8	
194	Study the effect of alloying on the phase transition behavior and thermoelectric properties of Ag ₂ S. <i>Journal of Alloys and Compounds</i> , 2021 , 886, 161241	5.7	2
193	Optimization of Ferroelectric Ordering and Thermal Stability in NaBiTiO-Based Lead-Free Single Crystal through Defect Engineering.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 60995-61003	9.5	0
192	Orientation and actual growth mechanism of ZnO nanorods through hydrothermal method on gold seed layer. <i>AIP Advances</i> , 2021 , 11, 125006	1.5	1
191	Core-shell nanostructures introduce multiple potential barriers to enhance energy filtering for the improvement of the thermoelectric properties of SnTe. <i>Nanoscale</i> , 2020 , 12, 1904-1911	7.7	23
190	Magnetic Properties and Magnetocaloric Effect of Binary Compound NdPd. <i>Journal of Low Temperature Physics</i> , 2020 , 198, 1-10	1.3	5
189	Origin of large electric-field-induced strain in pseudo-cubic BiFeO ₃ BaTiO ₃ ceramics. <i>Acta Materialia</i> , 2020 , 197, 1-9	8.4	37

188	Magnetic interplay of Mn and Yb sites in YbMn ₂ Si ₂ [Crystal field splitting. <i>Journal of Alloys and Compounds</i> , 2020 , 845, 155316	5.7	1
187	Excellent thermal stability and aging behaviors in BiFeO ₃ -BaTiO ₃ piezoelectric ceramics with rhombohedral phase. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 374-381	3.8	40
186	Enhancement of Thermoelectric Properties in Pd-In Co-Doped SnTe and Its Phase Transition Behavior. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33792-33802	9.5	20
185	High Thermoelectric Performance of BiSbTe-SnTe: Synergistic Modulation of Electrical and Thermal Transport by the Introduction of Thermoelectric Hetero Nano Region. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36658-36665	9.5	9
184	High Thermoelectric Performance of SnTe by the Synergistic Effect of Alloy Nanoparticles with Elemental Elements. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7354-7363	6.1	11
183	Negative Thermal Expansion of Ni-Doped MnCoGe at Room-Temperature Magnetic Tuning. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17531-17538	9.5	9
182	Structure analysis using XRD refinement for replacement of copper (Cu) with manganese (Mn) in NdMn ₂ Si ₂ compound 2019 ,		3
181	Simultaneous tuning of magnetocrystalline anisotropy and spin reorientation transition via Cu substitution in Mn-Ni-Ga magnets for nanoscale biskyrmion formation. <i>Physical Review B</i> , 2019 , 100,	3.3	4
180	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	1.9	
179	Giant piezoelectricity of Sm-doped Pb(MgNb)O-PbTiO single crystals. <i>Science</i> , 2019 , 364, 264-268	33.3	242
178	High pressure synchrotron x-ray diffraction study of the Mn _{0.94} Ti _{0.06} CoGe alloy. <i>Physica B: Condensed Matter</i> , 2019 , 554, 5-8	2.8	0
177	Magnetic and Structural Transitions Tuned through Valence Electron Concentration in Magnetocaloric Mn(Co _{1-x} Ni _x)Ge. <i>Chemistry of Materials</i> , 2018 , 30, 1324-1334	9.6	15
176	Magnetic Transition and Magnetocaloric Effect of Gd _{1-x} Nd _x Mn ₂ Ge ₂ (x = 0.3 and 0.4) Compounds. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018 , 31, 3711-3716	1.5	1
175	Ultrahigh piezoelectricity in ferroelectric ceramics by design. <i>Nature Materials</i> , 2018 , 17, 349-354	27	513
174	First Observation of Low-Temperature Magnetic Transition in CuAgSe. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19139-19145	3.8	3
173	First-principles study of new quaternary Heusler compounds without 3d transition metal elements: ZrRhHfZ (Z = Al, Ga, In). <i>Materials Chemistry and Physics</i> , 2017 , 193, 99-108	4.4	48
172	New insight into magneto-structural phase transitions in layered TbMnGe-based compounds. <i>Scientific Reports</i> , 2017 , 7, 45814	4.9	4
171	Three-Stage Inter-Orthorhombic Evolution and High Thermoelectric Performance in Ag-Doped Nanolaminar SnSe Polycrystals. <i>Advanced Energy Materials</i> , 2017 , 7, 1700573	21.8	37

170	Tuning the magnetic and structural transitions in TbCo ₂ Mn _x compounds. <i>Physical Review B</i> , 2017 , 96,	3.3	11
169	Magnetic and electrical response of Co-doped La _{0.7} Ca _{0.3} MnO ₃ manganites/insulator system. <i>Physica B: Condensed Matter</i> , 2017 , 504, 58-62	2.8	9
168	Charge ordering and exchange bias behaviors in Co ₃ O ₄ porous nanoplatelets and nanorings. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 421, 422-427	2.8	3
167	First-order magneto-structural transition and magnetocaloric effect in Mn(Co _{0.96} Fe _{0.04})Ge. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 32-39	5.7	20
166	A full spectrum of spintronic properties demonstrated by a C1b-type Heusler compound Mn ₂ Sn subjected to strain engineering. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8535-8544	7.1	48
165	Magnetocaloric effect in HoMn ₂ Si ₂ compound with multiple magnetic phase transitions. <i>Intermetallics</i> , 2016 , 78, 50-54	3.5	9
164	Origin of the half-metallic band-gap in newly designed quaternary Heusler compounds ZrVTiZ (Z = Al, Ga). <i>RSC Advances</i> , 2016 , 6, 57041-57047	3.7	52
163	Recent advances in the Heusler based spin-gapless semiconductors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7176-7192	7.1	115
162	Strain-induced diverse transitions in physical nature in the newly designed inverse Heusler alloy Zr ₂ MnAl. <i>Journal of Alloys and Compounds</i> , 2016 , 686, 549-555	5.7	39
161	Collapse and reappearance of magnetic orderings in spin frustrated TbMnO ₃ induced by Fe substitution. <i>Applied Physics Letters</i> , 2016 , 109, 102401	3.4	3
160	The origin of ultrahigh piezoelectricity in relaxor-ferroelectric solid solution crystals. <i>Nature Communications</i> , 2016 , 7, 13807	17.4	332
159	Magnetocaloric effect in the metamagnet ErRhSi compound. <i>Journal of Applied Physics</i> , 2016 , 120, 233902	5	8
158	Origin of d ₀ half-metallic characteristic in DO ₃ -type XO ₃ (X=Li, Na, K and Rb) compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 412, 95-101	2.8	14
157	Structure, room temperature spin reorientation and its dynamics in DyFe _{0.6} Mn _{0.4} O ₃ . <i>Journal of Alloys and Compounds</i> , 2016 , 680, 226-231	5.7	5
156	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	13	66
155	The magneto-structural transition in Mn _{1-x} Fe _x CoGe. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 175003	3	23
154	A ⁵⁷ Fe Mössbauer study of magnetocaloric Fe doped MnCoGe. <i>Hyperfine Interactions</i> , 2015 , 231, 75-84	0.8	6
153	⁵⁷ Fe Mössbauer and magnetic studies of Nd ₃ Fe _{24.5} Cr _{4.5} . <i>Hyperfine Interactions</i> , 2015 , 231, 65-74	0.8	2

152	Experimental investigation and thermodynamic assessment of the MnH binary system. <i>Thermochimica Acta</i> , 2015 , 607, 74-81	2.9	3
151	Multifunctional conducting polymer coated Na ₁ +MnFe(CN) ₆ cathode for sodium-ion batteries with superior performance via a facile and one-step chemistry approach. <i>Nano Energy</i> , 2015 , 13, 200-207	17.1	118
150	Magnetocaloric effect and magnetostructural coupling in Mn _{0.92} Fe _{0.08} CoGe compound. <i>Journal of Applied Physics</i> , 2015 , 117, 17D103	2.5	8
149	Anomalies in magnetoelastic properties of DyFe _{11.2} Nb _{0.8} compound. <i>Journal of Applied Physics</i> , 2015 , 117, 17C109	2.5	4
148	Large entropy change accompanying two successive magnetic phase transitions in TbMn ₂ Si ₂ for magnetic refrigeration. <i>Applied Physics Letters</i> , 2015 , 106, 182405	3.4	38
147	Tuneable Magnetic Phase Transitions in Layered CeMn ₂ Ge(2-x)Six Compounds. <i>Scientific Reports</i> , 2015 , 5, 11288	4.9	25
146	Large magnetoelectric coupling in magnetically short-range ordered Bi _{1-x} Fe _x O ₃ film. <i>Scientific Reports</i> , 2014 , 4, 5255	4.9	120
145	Magnetic transitions in LaFe _{13-x} Co _x Si ₆ compounds. <i>Hyperfine Interactions</i> , 2014 , 226, 405-413	0.8	3
144	Effects of Cr substitution on structural and magnetic properties in La _{0.7} Pr _{0.3} Fe _{11.4} Si _{1.6} compound. <i>Journal of Applied Physics</i> , 2014 , 115, 17A942	2.5	5
143	Direct evidence of Ni magnetic moment in TbNi ₂ Mn _x -ray magnetic circular dichroism. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 370, 32-36	2.8	3
142	Sulfur-graphene nanostructured cathodes via ball-milling for high-performance lithium-sulfur batteries. <i>ACS Nano</i> , 2014 , 8, 10920-30	16.7	192
141	Magnetic Properties and Magnetocaloric Effect in Layered NdMn _{1.9} V _{0.1} Si ₂ . <i>EPJ Web of Conferences</i> , 2014 , 75, 04001	0.3	1
140	Neutron diffraction study of MnNiGa ₂ B structural and magnetic behaviour. <i>Journal of Applied Physics</i> , 2014 , 115, 17A904	2.5	5
139	A comparative study of magnetic behaviors in TbNi ₂ , TbMn ₂ and TbNi ₂ Mn. <i>Journal of Applied Physics</i> , 2014 , 115, 17E135	2.5	3
138	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, 17626-33	16.4	63
137	Magnetic phase transitions and entropy change in layered NdMn _{1.7} Cr _{0.3} Si ₂ . <i>Applied Physics Letters</i> , 2014 , 104, 042401	3.4	17
136	Pressure induced magneto-structural phase transitions in layered RMn ₂ X ₂ compounds (invited). <i>Journal of Applied Physics</i> , 2014 , 115, 172617	2.5	9
135	Magnetic properties and magnetocaloric effect of NdMn _{2-x} Cu _x Si ₂ compounds. <i>Journal of Applied Physics</i> , 2014 , 115, 17A921	2.5	5

134	Magnetism and magnetocaloric effect of Mn _{0.98} Fe _{0.02} CoGe. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 1101-1105	1.6	7
133	Layered P2-Na _{0.66} Fe _{0.5} Mn _{0.5} O ₂ Cathode Material for Rechargeable Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2014 , 1, 371-374	4.3	50
132	Magnetic transitions and the magnetocaloric effect in the Pr _{1-x} Y _x Mn ₂ Ge ₂ system. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 1092-1100	1.6	4
131	Critical phenomena and estimation of the spontaneous magnetization by a magnetic entropy analysis in Mn _{0.96} Nb _{0.04} CoGe alloy. <i>Journal of Applied Physics</i> , 2013 , 113, 233903	2.5	25
130	Ti substitution for Mn in MnCoGe – The magnetism of Mn _{0.9} Ti _{0.1} CoGe. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 475-479	5.7	14
129	Magnetic order in YbMn ₂ Si ₂ – Neutron scattering investigation. <i>Journal of the Korean Physical Society</i> , 2013 , 63, 314-319	0.6	1
128	Effects of Cu substitution on structural and magnetic properties of La _{0.7} Pr _{0.3} Fe _{11.4} Si _{1.6} compounds. <i>Intermetallics</i> , 2013 , 36, 1-7	3.5	17
127	Investigation of the critical behavior in Mn _{0.94} Nb _{0.06} CoGe alloy by using the field dependence of magnetic entropy change. <i>Journal of Applied Physics</i> , 2013 , 113, 093902	2.5	16
126	The magnetocaloric effect and critical behaviour of the Mn(0.94)Ti(0.06)CoGe alloy. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 056001	1.8	26
125	Critical behaviour of Ho ₂ Fe ₁₇ – Mn _x magnetisation and Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2013 , 219, 49-55	0.8	1
124	Magnetism and the magnetocaloric effect in PrMn _{1.6} Fe _{0.4} Ge ₂ . <i>Hyperfine Interactions</i> , 2013 , 221, 35-43	0.8	
123	Phase gap in pseudoternary R _{1-x} Ry ₂ Mn ₂ X _{2-x} compounds. <i>Physical Review B</i> , 2013 , 87,	3.3	16
122	Magnetic properties and magnetocaloric effect of NdMn _{2-x} TixSi ₂ compounds. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 445002	3	14
121	Driving magnetostructural transitions in layered intermetallic compounds. <i>Physical Review Letters</i> , 2013 , 110, 217211	7.4	44
120	Magnetism and magnetic structures of PrMn ₂ Ge _{2-x} Si _x . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 386003	1.8	6
119	On the crystal structure and magnetic properties of the Mn _{0.94} Ti _{0.06} CoGe alloy. <i>Journal of Applied Physics</i> , 2013 , 113, 17A941	2.5	10
118	Substitution of Y for Pr in PrMn ₂ Ge ₂ – The magnetism of Pr _{0.8} Y _{0.2} Mn ₂ Ge ₂ . <i>Journal of Applied Physics</i> , 2013 , 113, 17E147	2.5	4
117	Positive and negative exchange bias effects in the simple perovskite manganite NdMnO ₃ . <i>Applied Physics Letters</i> , 2012 , 101, 102411	3.4	89

116	Structural properties and magnetic phase transition in HoNi ₂ Mn (57Fe). <i>Journal of Applied Physics</i> , 2012 , 111, 07E334	2.5	3
115	DyNi ₂ Mn magnetisation and Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2012 , 208, 43-48	0.8	2
114	Abnormal magnetic behaviors and large magnetocaloric effect in MnPS ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2012 , 111, 07E144	2.5	10
113	Crossing point phenomena (T* = 2.7 K) in specific heat curves of superconducting ferromagnets RuSr ₂ Gd _{1.4} Ce _{0.6} Cu ₂ O ₁₀ . <i>Journal of Applied Physics</i> , 2012 , 111, 07E140	2.5	2
112	Magnetovolume effect in Ho ₂ Fe _{17-x} Mn _x compounds. <i>Journal of Applied Physics</i> , 2012 , 111, 07A911	2.5	8
111	Critical behaviour of Ho ₂ Fe _{17-x} Mn _x magnetisation and Mössbauer spectroscopy 2012 , 367-373		
110	Magnetism and the magnetocaloric effect in PrMn _{1.6} Fe _{0.4} Ge ₂ 2012 , 129-137		
109	Magnetic phase transition and Mössbauer spectroscopy of ErNi ₂ Mn _x compounds. <i>Journal of Applied Physics</i> , 2011 , 109, 07E304	2.5	7
108	Neutron diffraction study of the magnetic order in NdMn ₂ Ge _{1.6} Si _{0.4} . <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012022	0.3	
107	Reduction of hysteresis losses in the magnetic refrigerant La _{0.8} Ce _{0.2} Fe _{11.4} Si _{1.6} by the addition of boron. <i>Journal of Applied Physics</i> , 2011 , 109, 07A940	2.5	12
106	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	
105	Improvement of refrigerant capacity of La _{0.7} Ca _{0.3} MnO ₃ material with a few percent Co doping. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 138-143	2.8	22
104	Critical magnetic transition in TbNi ₂ Mn--magnetization and Mössbauer spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 216002	1.8	10
103	Magnetocaloric effect in layered NdMn ₂ Ge _{0.4} Si _{1.6} . <i>Applied Physics Letters</i> , 2011 , 98, 232509	3.4	64
102	Magnetic properties in polycrystalline and single crystal Ca-doped LaCoO ₃ . <i>Journal of Applied Physics</i> , 2011 , 109, 07E146	2.5	5
101	Magnetic properties of Ho ₂ Fe _{17-x} Mn _x Influence of Mn substitution. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 082025	0.3	4
100	Magnetic phase transition in MnFeP _{0.5} As _{0.4} Si _{0.1} . <i>Journal of Physics: Conference Series</i> , 2010 , 217, 012132	3	1
99	Mechanosynthesis of nanocrystalline MgFe ₂ O ₄ Neutron diffraction and Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2010 , 198, 67-71	0.8	7

98	Mechanosynthesis of nanocrystalline MgFe ₂ O ₄ —neutron diffraction and Mössbauer spectroscopy 2010 , 413-417		
97	Magnetic properties and magnetocaloric effect of (Mn _{1-x} Ni _x) ₃ Sn ₂ (x=0.5) compounds. <i>Journal of Applied Physics</i> , 2009 , 105, 07A935	2.5	6
96	Re-entrant ferromagnet PrMn ₂ Ge _{0.8} Si _{1.2} : Magnetocaloric effect. <i>Journal of Applied Physics</i> , 2009 , 105, 07A909	2.5	26
95	Magnetic phase transitions in Pr(1-x)Lu(x)Mn(2)Ge(2) compounds. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 124217	1.8	16
94	Stress/Strain Induced Flux Pinning in Highly Dense $\{MgB_2\}$ Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 2722-2725	1.8	5
93	Growth of atomically flat nanofilms and surface superstructures of intrinsic liquid alloys. <i>Applied Physics Letters</i> , 2008 , 92, 143116	3.4	
92	Magnetic structures and phase transitions in PrMn ₂ Fe _x Ge ₂ . <i>Journal of Applied Physics</i> , 2008 , 104, 103915	1.5	18
91	Effects of C substitution on the pinning mechanism of MgB ₂ . <i>Physical Review B</i> , 2008 , 77,	3.3	55
90	Excess Mg addition MgB ₂ /Fe wires with enhanced critical current density. <i>Journal of Applied Physics</i> , 2008 , 103, 083911	2.5	12
89	Identification of factors limiting the critical current density in MgB ₂ C _x superconductors at low magnetic fields. <i>Journal of Physics: Conference Series</i> , 2008 , 97, 012314	0.3	1
88	Improvement of J _c and H _{c2} in MgB ₂ superconductor with citric acid addition. <i>Journal of Physics: Conference Series</i> , 2008 , 97, 012215	0.3	1
87	Sulfur porous carbon composites in conjunction with a novel ionic liquid electrolyte for lithium rechargeable batteries. <i>Carbon</i> , 2008 , 46, 229-235	10.4	340
86	Magnetovolume effect and magnetic properties of Dy ₂ Fe ₁₇ Mn _x . <i>Physical Review B</i> , 2007 , 75,	3.3	42
85	Magnetovolume effects in Dy ₂ Fe ₁₇ Mn _x . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e569-e571	2.8	1
84	⁵⁷ Fe Mössbauer and magnetic studies of DyFe ₁₂ Ta _x compounds. <i>Hyperfine Interactions</i> , 2007 , 168, 1097-1102	0.8	1
83	Significant improvement in the critical current density of in situ MgB ₂ by excess Mg addition. <i>Superconductor Science and Technology</i> , 2007 , 20, L43-L47	3.1	30
82	Systematic study of a MgB ₂ +C ₄ H ₆ O ₅ superconductor prepared by the chemical solution route. <i>Superconductor Science and Technology</i> , 2007 , 20, 715-719	3.1	56
81	The effects of sintering temperature on superconductivity in MgB ₂ /Fe wires. <i>Superconductor Science and Technology</i> , 2007 , 20, 448-451	3.1	70

80	Structure and magnetic properties of RNi ₂ Mn compounds (R=Tb,Dy,Ho,andEr). <i>Physical Review B</i> , 2006 , 73,	3.3	60
79	Magnetic properties of PrMn ₂ Fe _x Ge ₂ Bi ₇ Fe Mössbauer spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 189-204	1.8	10
78	57Fe Mössbauer and magnetic studies of DyFe ₁₂ Tax compounds 2006 , 1097-1102		
77	Phase formation and magnetic properties of YFe ₁₂ Nbx (x=0.70-0.90) compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1192-1194	2.8	16
76	57Fe Mössbauer and magnetic studies of ErFe ₁₂ Nbx. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 3689-3700	1.8	15
75	Magnetic properties of Sm ₂ Co ₁₇ Cr _x (0 ≤ x ≤ 0) compounds. <i>Journal of Alloys and Compounds</i> , 2004 , 377, 78-81	5.7	7
74	Multiferroic BaTiO ₃ -CoFe ₂ O ₄ Nanostructures. <i>Science</i> , 2004 , 303, 661-3	33.3	1872
73	Search for new half-metallic ferromagnets in semi-Heusler alloys NiCrM (M = P, As, Sb, S, Se and Te). <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 7891-7899	1.8	47
72	Half-metallic ferromagnetism in zinc-blende CrBi and the stability of the half-metallicity of zinc-blende CrM (M = P, As, Sb, Bi). <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 5017-5024	1.8	30
71	Formation, structure and magnetic properties of Nd ₃ Fe _{26.8} CoxV _{2.2} compounds. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, 1759-1763	3	7
70	Epitaxial BiFeO ₃ multiferroic thin film heterostructures. <i>Science</i> , 2003 , 299, 1719-22	33.3	4944
69	Structural and magnetic properties of Sm ₃ (Fe _{1-x} Cox) ₂₉ Cr _y compounds. <i>Journal of Alloys and Compounds</i> , 2003 , 358, 12-16	5.7	18
68	Structure and magnetic properties of (Nd _{1-x} Hox) ₃ Fe ₂₃ Co ₆ V _y compounds. <i>Journal of Applied Physics</i> , 2003 , 93, 6927-6929	2.5	4
67	Synthesis, thermal expansion, and magnetic properties of Gd ₃ (Fe,Co,Cr) ₂₉ compounds. <i>Journal of Applied Physics</i> , 2003 , 93, 6924-6926	2.5	13
66	Spin reorientation and crystal-field interaction in TbFe ₁₂ Tix single crystals. <i>Physical Review B</i> , 2003 , 67,	3.3	19
65	Effect of Mo content on the structure stability of R ₃ (Fe,Co,Mo) ₂₉ . <i>Journal of Applied Physics</i> , 2003 , 93, 6921-6923	2.5	27
64	A Novel Conductive Polymer/Sulfur Composite Cathode Material for Rechargeable Lithium Batteries. <i>Advanced Materials</i> , 2002 , 14, 963-965	24	475
63	Structural and magnetic properties of (Nd _{1-x} Tbx) ₃ Fe _{27.31} Ti _{1.69} (0 ≤ x ≤ 1.0) compounds. <i>Physica B: Condensed Matter</i> , 2002 , 319, 52-58	2.8	10

62	Magnetovolume effect in ThMn ₁₂ -type Fe-rich R(Fe,Nb) ₁₂ -based compounds. <i>Physica B: Condensed Matter</i> , 2002 , 319, 73-77	2.8	21
61	Structure and magneto-history behavior of DyNi ₂ Mn. <i>Solid State Communications</i> , 2002 , 121, 615-618	1.6	30
60	Effect of Mn substitution on the volume and magnetic properties of Er ₂ Fe ₁₇ . <i>Journal of Applied Physics</i> , 2002 , 92, 1453-1457	2.5	33
59	Structural and magnetic properties of R(Fe _{1-x} Co _x) ₁₂ Nb _x compounds. <i>Journal of Applied Physics</i> , 2002 , 91, 2165-2171	2.5	17
58	Magnetovolume effects of YFe ₁₀ Ti intermetallics. <i>Journal of Applied Physics</i> , 2002 , 91, 8216	2.5	13
57	Structure and magnetic properties of (Nd _{1-x} Er _x) ₃ Fe ₁₈ Co ₆ Cr ₅ (x=0.0-0.8) compounds. <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 3161-3165	3	2
56	Spin reorientation and magnetohistory of DyFe _{12-x} Nb _x compounds. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 1733-1741	1.8	10
55	A study of the magnetocrystalline anisotropy of RFe _{11-x} Co _x Ti compounds with R = Y and Er. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 1617-1626	1.8	14
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53	Structural and magnetic properties of RCo _{12-x} Ti _x (R = Y and Sm) and YFe _{12-x} Ti _x compounds. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 307-312	3	3
52	Formation, structural and magnetic properties of Gd ₃ (Co,Cr) ₂₉ compounds. <i>Journal of Applied Physics</i> , 2001 , 90, 1920-1923	2.5	10
51	Formation and magnetic properties of Nd ₃ Fe _{29-x} Ti _x (x=1.3-0) compounds. <i>Journal of Alloys and Compounds</i> , 2001 , 319, 80-84	5.7	6
50	Structure and magnetic properties of ErFe _{11-x} Ga _x Ti. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 10571-10578	1.8	10
49	Magnetocrystalline Anisotropy and Exchange Interaction in YCo _{12-x} Ti _x Compounds. <i>Chinese Physics Letters</i> , 2000 , 17, 765-767	1.8	2
48	Magnetocrystalline anisotropy of TbFe _{12-x} Ti _x single crystals. <i>Applied Physics Letters</i> , 2000 , 76, 1170-1173	3.4	8
47	Magnetic properties of R(Fe _{1-x} Co _x) _{11.3} Nb _{0.7} (R=Y, Ho) compounds. <i>Journal of Applied Physics</i> , 2000 , 87, 5293-5295	2.5	1
46	Phase formation and magnetic properties of Nd ₃ (Fe,Co,Ti) ₂₉ compounds. <i>Journal of Applied Physics</i> , 2000 , 87, 5272-5274	2.5	5
45	A study of Magnetic Properties of SmFe _{12-x} Nb _x Compounds. <i>Journal of the Magnetics Society of Japan</i> , 1999 , 23, 456-458		3

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43	Magnetic properties of $Tb_2(Fe, Cr)_{17}$ single crystal. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 5169-5174	1.8	1
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40	Magnetic structure and site occupancies in $YFe_{11-x}Co_xTi$ ($x=1,3,7,9$). <i>Journal of Applied Physics</i> , 1999 , 86, 2155-2160	2.5	13
39	Magnetic properties of $RFe_{11.3}Nb_{0.7}$ compounds ($R=rare\ earth$). <i>Journal of Applied Physics</i> , 1999 , 85, 4684-4686	2.5	5
38	Structure and magnetic properties of $Gd_3(Fe_{1-x}Co_x)_{25}Cr_4$ compounds. <i>Applied Physics Letters</i> , 1999 , 74, 4020-4022	3.4	28
37	Crystallographic and intrinsic magnetic properties of $Nd_{1-x}Dy_xFe_{10.5}Mo_{1.5}$ compounds and their nitrides ($x=0.0-1.0$). <i>Physica B: Condensed Matter</i> , 1999 , 266, 146-151	2.8	2
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35	Influence on magnetic properties of substitution of Co for Fe in $TbFe_{11.3}Nb_{0.7}$. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 195, 26-30	2.8	1
34	Metamagnetic Transition in $ErMn_6Sn_6$. <i>Physica Status Solidi (B): Basic Research</i> , 1999 , 214, 135-140	1.3	4
33	Structural and magnetic properties of $R_2(Fe, Si)_{17}$ compounds with $R=Tb$ and Er . <i>Journal of Alloys and Compounds</i> , 1999 , 284, 289-294	5.7	6
32	Formation, structure and magnetic properties of $TbFe_{12-x}Nb_x$ compounds. <i>Journal of Alloys and Compounds</i> , 1999 , 289, 228-232	5.7	7
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30	Structural and magnetic properties of $Er_2Fe_{15}M_2$ compounds with $M=Mn, Fe, Ni, Al, Ga$ and Si . <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 185, 345-352	2.8	6
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28	Structure and magnetic properties of $GdMn_{1-x}Co_xSi$ compounds. <i>Journal of Alloys and Compounds</i> , 1998 , 265, 26-28	5.7	3
27	Structural and magnetic properties of compounds with $R = Dy$ and Er . <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 1413-1420	1.8	4

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23	Formation and magnetic properties of novel compounds Tb ₃ (Fe _{1-x} V _x) ₂₉ . <i>Journal of Applied Physics</i> , 1997 , 81, 3248-3252	2.5	12
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19	Magnetic properties of Y(Fe,M) ₁₀ Si ₂ compounds (M=Fe, Ni, Co and Mn). <i>Journal of Magnetism and Magnetic Materials</i> , 1997 , 166, 355-360	2.8	12
18	Investigation of ⁵⁷ Fe Mössbauer spectra of YFe _{10-x} Co _x Si ₂ (x=0,2, and 6) compounds. <i>Solid State Communications</i> , 1997 , 101, 635-637	1.6	3
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14	Formation and magnetic properties of R ₃ (Fe,Mo) ₂₉ intermetallic compounds (R = Nd, Sm and Gd). <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 159, 352-356	2.8	18
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