

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2037909/j-l-wang-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Epitaxial BiFeO ₃ multiferroic thin film heterostructures. <i>Science</i> , 2003 , 299, 1719-22	33.3	4944
204	Multiferroic BaTiO ₃ -CoFe ₂ O ₄ Nanostructures. <i>Science</i> , 2004 , 303, 661-3	33.3	1872
203	Ultrahigh piezoelectricity in ferroelectric ceramics by design. <i>Nature Materials</i> , 2018 , 17, 349-354	27	513
202	A Novel Conductive Polymer/Sulfur Composite Cathode Material for Rechargeable Lithium Batteries. <i>Advanced Materials</i> , 2002 , 14, 963-965	24	475
201	Sulfur/graphene 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
200	The origin of ultrahigh piezoelectricity in relaxor-ferroelectric solid solution crystals. <i>Nature Communications</i> , 2016 , 7, 13807	17.4	332
199	Giant piezoelectricity of Sm-doped Pb(MgNb)O-PbTiO single crystals. <i>Science</i> , 2019 , 364, 264-268	33.3	242
198	Sulfur-graphene nanostructured cathodes via ball-milling for high-performance lithium-sulfur batteries. <i>ACS Nano</i> , 2014 , 8, 10920-30	16.7	192
197	Large magnetoelectric coupling in magnetically short-range ordered Bi ₂ TeO ₇ film. <i>Scientific Reports</i> , 2014 , 4, 5255	4.9	120
196	Multifunctional conducting polymer coated Na ⁺ /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
195	Recent advances in the Heusler based spin-gapless semiconductors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7176-7192	7.1	115
194	Positive and negative exchange bias effects in the simple perovskite manganite NdMnO ₃ . <i>Applied Physics Letters</i> , 2012 , 101, 102411	3.4	89
193	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
192	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
191	Magnetocaloric effect in layered NdMn ₂ Ge _{0.4} Si _{1.6} . <i>Applied Physics Letters</i> , 2011 , 98, 232509	3.4	64
190	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
189	Structure and magnetic properties of RNi ₂ Mn compounds (R=Tb,Dy,Ho,andEr). <i>Physical Review B</i> , 2006 , 73,	3.3	60

188	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
187	Effects of C substitution on the pinning mechanism of MgB ₂ . <i>Physical Review B</i> , 2008 , 77,	3.3	55
186	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
185	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
184	Synthesis and magnetic properties of novel compounds R ₃ (Fe, T) ₂₉ (R=Y, Ce, Nd, Sm, Gd, Tb, and Dy; T=V and Cr). <i>Journal of Applied Physics</i> , 1997 , 81, 7450-7457	2.5	49
183	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
182	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
181	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
180	Driving magnetostructural transitions in layered intermetallic compounds. <i>Physical Review Letters</i> , 2013 , 110, 217211	7.4	44
179	Magnetovolume effect and magnetic properties of Dy ₂ Fe ₁₇ Mnx. <i>Physical Review B</i> , 2007 , 75,	3.3	42
178	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
177	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
176	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
175	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
174	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
173	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
172	Structure and magnetic properties of TbMn ₆ AlxSn ₆ compounds. <i>Journal of Applied Physics</i> , 1997 , 82, 760-763	2.5	31
171	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

170	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
169	Structure and magneto-history behavior of DyNi ₂ Mn. <i>Solid State Communications</i> , 2002 , 121, 615-618	1.6	30
168	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
167	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
166	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
165	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
164	The intrinsic magnetic properties of novel R ₃ (Fe,Mo) ₂₉ compounds (R=Ce, Nd, Sm, Gd and Y). <i>Solid State Communications</i> , 1996 , 98, 259-263	1.6	26
163	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
162	Tunable Magnetic Phase Transitions in Layered CeMn ₂ Ge(2-x)Six Compounds. <i>Scientific Reports</i> , 2015 , 5, 11288	4.9	25
161	The mechanism for the enhanced piezoelectricity in multi-elements doped (K,Na)NbO ceramics. <i>Nature Communications</i> , 2021 , 12, 881	17.4	25
160	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
159	The magneto-structural transition in Mn _{1-x} Fe _x CoGe. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 175003	3	23
158	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
157	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
156	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
155	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
154	Spin reorientation and crystal-field interaction in TbFe _{12-x} Ti _x single crystals. <i>Physical Review B</i> , 2003 , 67,	3.3	19
153	Magnetic structures and phase transitions in PrMn _{2-x} Fe _x Ge ₂ . <i>Journal of Applied Physics</i> , 2008 , 104, 103911	15	18

152	Structural and magnetic properties of $\text{Sm}_3(\text{Fe}_{1-x}\text{Co}_x)_2\text{9}$ Cr compounds. <i>Journal of Alloys and Compounds</i> , 2003 , 358, 12-16	5.7	18
151	Formation and magnetic properties of $\text{R}_3(\text{Fe},\text{Mo})_2\text{9}$ intermetallic compounds (R = Nd, Sm and Gd). <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 159, 352-356	2.8	18
150	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. <i>Intermetallics</i> , 2013 , 36, 1-7	3.5	17
149	Magnetic phase transitions and entropy change in layered $\text{NdMn}_{1.7}\text{Cr}_{0.3}\text{Si}_2$. <i>Applied Physics Letters</i> , 2014 , 104, 042401	3.4	17
148	Structural and magnetic properties of $\text{R}(\text{Fe}_{1-x}\text{Co}_x)_2\text{Nbx}$ compounds. <i>Journal of Applied Physics</i> , 2002 , 91, 2165-2171	2.5	17
147	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. <i>Journal of Applied Physics</i> , 2013 , 113, 093902	2.5	16
146	Phase gap in pseudoternary $\text{R}_1\text{R}_2\text{Mn}_2\text{X}_2\text{X}'$ compounds. <i>Physical Review B</i> , 2013 , 87,	3.3	16
145	Magnetic phase transitions in $\text{Pr}_{(1-x)}\text{Lu}_x\text{Mn}_2\text{Ge}_2$ compounds. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 124217	1.8	16
144	Phase formation and magnetic properties of $\text{YFe}_{12}\text{Nbx}$ ($x=0.70\text{--}0.90$) compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1192-1194	2.8	16
143	Magnetic and Structural Transitions Tuned through Valence Electron Concentration in Magnetocaloric $\text{Mn}(\text{Co}_{1-x}\text{Ni}_x)\text{Ge}$. <i>Chemistry of Materials</i> , 2018 , 30, 1324-1334	9.6	15
142	^{57}Fe Mössbauer and magnetic studies of $\text{ErFe}_{12}\text{Nbx}$. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 3689-3700	1.8	15
141	Ti substitution for Mn in MnCoGe – The magnetism of $\text{Mn}_{0.9}\text{Ti}_{0.1}\text{CoGe}$. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 475-479	5.7	14
140	Magnetic properties and magnetocaloric effect of $\text{NdMn}_2\text{TixSi}_2$ compounds. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 445002	3	14
139	A study of the magnetocrystalline anisotropy of $\text{RFe}_{11-x}\text{Co}_x\text{Ti}$ compounds with R = Y and Er. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 1617-1626	1.8	14
138	Magnetic properties of $\text{R}_2\text{Fe}_{17}\text{Gax}$ compounds (R=Y, Ho). <i>Journal of Applied Physics</i> , 1994 , 76, 6740-6742	5	14
137	Magnetic properties of $\text{Sm}_2(\text{Fe}_{1-x}\text{Gax})_{17}$ ($x=0\text{--}0.5$) compounds and their nitrides. <i>Journal of Applied Physics</i> , 1994 , 76, 6743-6745	2.5	14
136	Origin of d0 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
135	Synthesis, thermal expansion, and magnetic properties of $\text{Gd}_3(\text{Fe},\text{Co},\text{Cr})_2\text{9}$ compounds. <i>Journal of Applied Physics</i> , 2003 , 93, 6924-6926	2.5	13

134	Magnetovolume effects of YFeCoTi intermetallics. <i>Journal of Applied Physics</i> , 2002 , 91, 8216	2.5	13
133	Magnetocrystalline anisotropy of novel R ₃ (Fe, M) ₂₉ compounds. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 5313-5320	1.8	13
132	Magnetic structure and site occupancies in YFe ₁₁ Co _x Ti (x=1,3,7,9). <i>Journal of Applied Physics</i> , 1999 , 86, 2155-2160	2.5	13
131	Ultra-high thermoelectric performance in SnTe by the integration of several optimization strategies. <i>Materials Today Physics</i> , 2021 , 17, 100350	8	13
130	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
129	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
128	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
127	Excess Mg addition MgB ₂ /Fe wires with enhanced critical current density. <i>Journal of Applied Physics</i> , 2008 , 103, 083911	2.5	12
126	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
125	Tuning the magnetic and structural transitions in TbCo ₂ Mn _x compounds. <i>Physical Review B</i> , 2017 , 96,	3.3	11
124	Structural and magnetic properties of (Nd _{1-x} R _x) ₃ Fe _{27.31} Ti _{1.69} compounds with R = Dy and Er. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 3331-3336	3	11
123	Magnetic properties of R ₂ (Fe _{1-x} A _x) ₁₇ compounds with R = Y, Sm, Dy, Ho. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 979-980	2.8	11
122	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
121	Critical magnetic transition in TbNi ₂ Mn--magnetization and Mössbauer spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 216002	1.8	10
120	Abnormal magnetic behaviors and large magnetocaloric effect in MnPS ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2012 , 111, 07E144	2.5	10
119	Magnetic properties of PrMn _{2-x} FexGe ₂ B ₇ Fe Mössbauer spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 189-204	1.8	10
118	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
117	Spin reorientation and magnetohistory of DyFe _{12-x} Nbx compounds. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 1733-1741	1.8	10

116	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
115	Magnetic properties of Sm ₂ Fe ₁₇ Ny with Al substituted for Fe. <i>Journal of Alloys and Compounds</i> , 1995 , 221, 248-253	5.7	10
114	Magnetic interactions in R ₂ (Fe _{1-x} Gax) ₁₇ (R = Dy, Y) compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1994 , 137, 275-280	2.8	10
113	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
112	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
111	Magnetocaloric effect in HoMn ₂ Si ₂ compound with multiple magnetic phase transitions. <i>Intermetallics</i> , 2016 , 78, 50-54	3.5	9
110	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
109	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
108	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
107	Magnetovolume effect in Ho ₂ Fe _{17-x} Mnx compounds. <i>Journal of Applied Physics</i> , 2012 , 111, 07A911	2.5	8
106	Magnetocrystalline anisotropy of TbFe _{12-x} Tix single crystals. <i>Applied Physics Letters</i> , 2000 , 76, 1170-1173	3.4	8
105	Magnetocaloric effect in the metamagnet ErRhSi compound. <i>Journal of Applied Physics</i> , 2016 , 120, 233902	5	8
104	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
103	Magnetic phase transition and Mössbauer spectroscopy of ErNi ₂ Mnx compounds. <i>Journal of Applied Physics</i> , 2011 , 109, 07E304	2.5	7
102	Mechanosynthesis of nanocrystalline MgFe ₂ O ₄ —neutron diffraction and Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2010 , 198, 67-71	0.8	7
101	Magnetic properties of Y(Fe _{0.8} M _{0.2}) _{11.3} Nb _{0.7} compounds with M=Mn, Fe, Co, Ni, Al, and Ga. <i>Journal of Applied Physics</i> , 1997 , 81, 5131-5133	2.5	7
100	Formation, structure and magnetic properties of Nd ₃ Fe _{26.8-x} CoxV _{2.2} compounds. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, 1759-1763	3	7
99	Magnetic properties of Sm ₂ Co _{17-x} Cr _x (0 ≤ x ≤ 0) compounds. <i>Journal of Alloys and Compounds</i> , 2004 , 377, 78-81	5.7	7

98	Formation, structure and magnetic properties of TbFe ₁₂ Nbx compounds. <i>Journal of Alloys and Compounds</i> , 1999 , 289, 228-232	5.7	7
97	Superconductivity in Y(Ni _{1-x} Ptx) ₂ B ₂ C compounds. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, 2369-2373		7
96	Magnetic properties of Er ₂ Fe ₁₇ AlxNy compounds. <i>Journal of Applied Physics</i> , 1994 , 75, 6241-6243	2.5	7
95	A ⁵⁷ Fe Mössbauer study of magnetocaloric Fe doped MnCoGe. <i>Hyperfine Interactions</i> , 2015 , 231, 75-84	0.8	6
94	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
93	Magnetic properties and magnetocaloric effect of (Mn _{1-x} Nix) ₃ Sn ₂ (x=0.5) compounds. <i>Journal of Applied Physics</i> , 2009 , 105, 07A935	2.5	6
92	Structure and magnetic properties of. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 1851-1856	1.8	6
91	Magnetohistory effects and spin reorientations of Nd ₃ Fe ₂₉ T _x and Nd ₃ Fe ₂₉ T _x N ₄ (T=V and Cr) compounds. <i>Journal of Applied Physics</i> , 1997 , 81, 5170-5172	2.5	6
90	Structural and magnetic properties of Er ₂ Fe 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
89	Formation and magnetic properties of Nd ₃ Fe ₂₉ T _x (x=1.3-2.0) compounds. <i>Journal of Alloys and Compounds</i> , 2001 , 319, 80-84	5.7	6
88	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
87	A study on the exchange interaction in R ₂ Fe ₁₇ compounds. <i>Journal of Applied Physics</i> , 1996 , 79, 7883-7886		6
86	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
85	Neutron diffraction study of MnNiGa ₂ structural and magnetic behaviour. <i>Journal of Applied Physics</i> , 2014 , 115, 17A904	2.5	5
84	Magnetic properties and magnetocaloric effect of NdMn ₂ CuxSi ₂ compounds. <i>Journal of Applied Physics</i> , 2014 , 115, 17A921	2.5	5
83	Magnetic properties in polycrystalline and single crystal Ca-doped LaCoO ₃ . <i>Journal of Applied Physics</i> , 2011 , 109, 07E146	2.5	5
82	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
81	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

80	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
79	Magnetic properties of (Er,R) ₂ Fe ₁₇ Ny compounds (R=Y,Gd). <i>Journal of Applied Physics</i> , 1994 , 75, 6238-6249	2.4	5
78	Magnetic Properties and Magnetocaloric Effect of Binary Compound NdPd. <i>Journal of Low Temperature Physics</i> , 2020 , 198, 1-10	1.3	5
77	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
76	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
75	New insight into magneto-structural phase transitions in layered TbMnGe-based compounds. <i>Scientific Reports</i> , 2017 , 7, 45814	4.9	4
74	Anomalies in magnetoelastic properties of DyFe _{11.2} Nb _{0.8} compound. <i>Journal of Applied Physics</i> , 2015 , 117, 17C109	2.5	4
73	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
72	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
71	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
70	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
69	Structure and magnetic properties of (Nd _{1-x} Hox) ₃ Fe _{23-y} Co ₆ V _y compounds. <i>Journal of Applied Physics</i> , 2003 , 93, 6927-6929	2.5	4
68	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
67	Metamagnetic Transition in ErMn ₆ Sn ₆ . <i>Physica Status Solidi (B): Basic Research</i> , 1999 , 214, 135-140	1.3	4
66	Magnetic properties of Ho(Fe _{1-x} Nix) _{11.3} Nb _{0.7} compounds. <i>Journal of Alloys and Compounds</i> , 1996 , 244, 157-160	5.7	4
65	Magnetism and Thermomechanical Properties in Si Substituted MnCoGe Compounds. <i>Crystals</i> , 2021 , 11, 694	2.3	4
64	Structure analysis using XRD refinement for replacement of copper (Cu) with manganese (Mn) in NdMn ₂ Si ₂ compound 2019 ,		3
63	Experimental investigation and thermodynamic assessment of the Mn–H binary system. <i>Thermochimica Acta</i> , 2015 , 607, 74-81	2.9	3

62	First Observation of Low-Temperature Magnetic Transition in CuAgSe. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19139-19145	3.8	3
61	Magnetic transitions in LaFe ₁₃ Co ₆ compounds. <i>Hyperfine Interactions</i> , 2014 , 226, 405-413	0.8	3
60	Direct evidence of Ni magnetic moment in TbNi ₂ Mn γ -ray magnetic circular dichroism. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 370, 32-36	2.8	3
59	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
58	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
57	Structural properties and magnetic phase transition in HoNi ₂ Mn (57Fe). <i>Journal of Applied Physics</i> , 2012 , 111, 07E334	2.5	3
56	Investigation of 57Fe M \ddot{u} ssbauer spectra of YFe ₁₀ Co _x Si ₂ (x=0,2, and 6) compounds. <i>Solid State Communications</i> , 1997 , 101, 635-637	1.6	3
55	Structure and magnetic properties of GdMn _{1-x} Co _x Si compounds. <i>Journal of Alloys and Compounds</i> , 1998 , 265, 26-28	5.7	3
54	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
53	Structure and magnetic properties of ErFe _{11-x} Ga _x Ti. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 10571-10578	1.8	3
52	Structural and Magnetic Properties of Tb(Fe _{1-x} Ni _x) _{11.3} Nb _{0.7} Compounds. <i>Chinese Physics Letters</i> , 1998 , 15, 922-924	1.8	3
51	A study of Magnetic Properties of SmFe _{12-x} Nb _x Compounds. <i>Journal of the Magnetism Society of Japan</i> , 1999 , 23, 456-458		3
50	High-field magnetization of Er(Fe, Ni) ₁₀ Si ₂ compounds. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 5855-5864	1.8	3
49	Study of the exchange interactions in R ₃ (Fe,M) ₂₉ intermetallic compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 164, 197-200	2.8	3
48	Effects of Co on Magnetic Properties of YFe ₁₁ Ti Compounds. <i>Journal of the Magnetism Society of Japan</i> , 1999 , 23, 459-461		3
47	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
46	57 Fe M \ddot{u} ssbauer and magnetic studies of Nd ₃ Fe _{24.5} Cr _{4.5} . <i>Hyperfine Interactions</i> , 2015 , 231, 65-74	0.8	2
45	DyNi ₂ Mn γ magnetisation and M \ddot{u} ssbauer spectroscopy. <i>Hyperfine Interactions</i> , 2012 , 208, 43-48	0.8	2

44	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
43	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
42	Magnetocrystalline Anisotropy and Exchange Interaction in YCo _{12-x} Ti _x Compounds. <i>Chinese Physics Letters</i> , 2000 , 17, 765-767	1.8	2
41	Magnetocrystalline anisotropy in R(Fe,Co) _{11.3} Nb _{0.7} compounds with R = Dy and Er. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 7347-7356	1.8	2
40	Crystallographic and intrinsic magnetic properties of Nd _{1-x} Dy _x Fe _{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
39	High-field magnetization process of Sm ₂ (Fe _{1-x} Ta _x) ₁₇ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 985-986	2.8	2
38	Coherent spin rotation-induced zero thermal expansion in MnCoSi-based spiral magnets. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	2
37	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
36	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
35	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
34	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
33	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
32	Critical behaviour of Ho ₂ Fe _{17-x} Mn _x magnetisation and Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2013 , 219, 49-55	0.8	1
31	Magnetic phase transition in MnFeP _{0.5} As _{0.4} Si _{0.1} . <i>Journal of Physics: Conference Series</i> , 2010 , 217, 012132, 3	0.3	1
30	Identification of factors limiting the critical current density in MgB _{2-x} C _x superconductors at low magnetic fields. <i>Journal of Physics: Conference Series</i> , 2008 , 97, 012314	0.3	1
29	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
28	Magnetovolume effects in Dy ₂ Fe _{17-x} Mn _x . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e569-e571	2.8	1
27	⁵⁷ Fe Mössbauer and magnetic studies of DyFe _{12-x} Ta _x compounds. <i>Hyperfine Interactions</i> , 2007 , 168, 1097-1102	0.8	1

26	Magnetic properties of $R(\text{Fe}_{1-x}\text{Co}_x)\text{Fe}_{11.3}\text{Nb}_{0.7}$ ($R=\text{Y},\text{Ho}$) compounds. <i>Journal of Applied Physics</i> , 2000 , 87, 5293-5295	2.5	1
25	Structure and magnetic properties of compounds. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 175-178	8	1
24	Magnetic properties of $\text{Tb}_2(\text{Fe}, \text{Cr})_{17}$ single crystal. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 5169-5174	17	1
23	A study of the magnetocrystalline anisotropy of $\text{Sm}_{1-x}\text{Dy}_x\text{Fe}_{10.5}\text{Mo}_{1.5}$ ($x = 0-1.0$). <i>Journal of Materials Science</i> , 1999 , 34, 4965-4968	4.3	1
22	Influence on magnetic properties of substitution of Co for Fe in $\text{TbFe}_{11.3}\text{Nb}_{0.7}$. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 195, 26-30	2.8	1
21	Observation of Short-Period Helical Spin Order and Magnetic Transition in a Nonchiral Centrosymmetric Helimagnet. <i>Advanced Functional Materials</i> , 2020 , 30, 200356	15.6	1
20	Magnetic interplay of Mn and Yb sites in YbMn_2Si_2 [Crystal field splitting. <i>Journal of Alloys and Compounds</i> , 2020 , 845, 155316	5.7	1
19	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
18	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
17	High-field magnetic properties of $\text{Ho}_2\text{Fe}_{15}\text{M}_2$ compounds ($M = \text{Al}, \text{Ga}, \text{Ni}$ and Si). <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 159, 357-360	2.8	0
16	In Situ Generation of Flower-like and Microspherical Dendrites to Improve Thermoelectric Properties of p-Type $\text{Bi}_{0.46}\text{Sb}_{1.54}\text{Te}_3$. <i>Materials Today Physics</i> , 2022 , 100633	8	0
15	High pressure synchrotron x-ray diffraction study of the $\text{Mn}_{0.94}\text{Ti}_{0.06}\text{CoGe}$ alloy. <i>Physica B: Condensed Matter</i> , 2019 , 554, 5-8	2.8	0
14	Magnetic structure, magneto-caloric properties and magnetic critical behaviours of LaMn_2Ge_2 compounds. <i>Journal of Alloys and Compounds</i> , 2022 , 909, 164784	5.7	0
13	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
12	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	
11	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	0.8	
10	Neutron diffraction study of the magnetic order in $\text{NdMn}_2\text{Ge}_{1.6}\text{Si}_{0.4}$. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012022	0.3	
9	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	

- 8 Thermomagnetic Behavior and First Order Magnetization Processes of $\text{Sm}_3\text{Fe}_{29-x}\text{T}_x$ and $\text{Sm}_3\text{Fe}_{29-x}\text{T}_x\text{N}_4$ ($T = \text{V}$ and Cr). *Physica Status Solidi A*, **1998**, 168, 487-493
- 7 Growth of atomically flat nanofilms and surface superstructures of intrinsic liquid alloys. *Applied Physics Letters*, **2008**, 92, 143116 3-4
- 6 The Critical Behaviour and Magnetism of $\text{MnCoGe}_{0.97}\text{Al}_{0.03}$ Compounds. *Crystals*, **2022**, 12, 205 2.3
- 5 ^{57}Fe Mössbauer and magnetic studies of $\text{DyFe}_{12-x}\text{T}_x$ compounds **2006**, 1097-1102
- 4 Mechano-synthesis of nanocrystalline MgFe_2O_4 - neutron diffraction and Mössbauer spectroscopy **2010**, 413-417
- 3 Critical behaviour of $\text{Ho}_2\text{Fe}_{17-x}\text{Mn}_x$ magnetisation and Mössbauer spectroscopy **2012**, 367-373
- 2 Magnetism and the magnetocaloric effect in $\text{PrMn}_{1.6}\text{Fe}_{0.4}\text{Ge}_2$ **2012**, 129-137
- 1 $\text{R}_3(\text{Fe},\text{T})_{29}$ intermetallic compounds - Magnetoelastic coupling in $\text{Sm}_3(\text{Co}_x\text{Fe}_{1-x})_{29-y}\text{Cr}_y$. *Journal of Magnetism and Magnetic Materials*, **2021**, 533, 168013 2.8