

# H W Chang

## 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.

162  
papers

1,350  
citations

19  
h-index

25  
g-index

171  
ext. papers

1,474  
ext. citations

3  
avg. IF

4.18  
L-index

#	Paper	IF	Citations
162	Magnetic properties of Ce <sub>85</sub> Al <sub>15</sub> doped NdFeB sintered magnet by grain boundary diffusion of Tb <sub>70</sub> Cu <sub>30</sub> powders. <i>IEEE Transactions on Magnetics</i> , <b>2022</b> , 1-1	2	0
161	Phase modification and magnetic property improvement in melt spun LaCo <sub>5</sub> -based ribbons. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 8800-8817	4.3	
160	Real-time monitoring of order-disorder transformation of FePt thin films by light scattering <b>2021</b> , 44, 170-176		
159	Formation and Application of Core-Shell of FePt-Au Magnetic-Plasmonic Nanoparticles. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 653718	5	1
158	Comparison on the coercivity enhancement of the sintered NdFeB magnets by grain boundary diffusion with Tb <sub>70</sub> Cu <sub>30</sub> powders prepared by different milling methods. <i>AIP Advances</i> , <b>2021</b> , 11, 025101	1.5	2
157	Coercivity enhancement of hot-deformed NdFeB magnet by doping R <sub>80</sub> Al <sub>20</sub> (R = La, Ce, Dy, Tb) alloy powders. <i>AIP Advances</i> , <b>2021</b> , 11, 025001	1.5	2
156	Magnetostrictive properties of sputter-prepared Fe <sub>71</sub> Co <sub>10</sub> Ga <sub>19</sub> films on Si(100) substrates. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 892, 162186	5.7	
155	Large stress-induced anisotropy in soft magnetic films for synthetic spin valves. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 242402	3.4	
154	Magneto-mechanical properties of Fe <sub>100-x</sub> Al <sub>x</sub> alloys (x = 14-27) prepared by directional solidification. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 844, 156086	5.7	2
153	High energy product Fe <sub>x</sub> Pt <sub>100-x</sub> thin films (x = 60-66) prepared by rapid thermal annealing. <i>Surface and Coatings Technology</i> , <b>2020</b> , 397, 125978	4.4	
152	Magnetic properties and structure of CoFe/MnN films with Ta layers. <i>Surface and Coatings Technology</i> , <b>2020</b> , 398, 126098	4.4	1
151	Multiferroic properties of Bi <sub>0.95</sub> R <sub>0.05</sub> FeO <sub>3</sub> polycrystalline films on the glass substrates (R = La, Pr, Nd, Sm, and Ho). <i>Materials Letters</i> , <b>2020</b> , 276, 128216	3.3	3
150	Correlation between phase composition and exchange bias in CoFe/MnN and MnN/CoFe polycrystalline films. <i>AIP Advances</i> , <b>2020</b> , 10, 025035	1.5	2
149	Effect of Pr substitution on the structure, nanomechanical and multiferroic characterizations of Bi <sub>1-x</sub> Pr <sub>x</sub> FeO <sub>3</sub> polycrystalline films. <i>Surface and Coatings Technology</i> , <b>2020</b> , 393, 125728	4.4	5
148	Improvement of magneto-mechanical properties in quenched Fe-rich Fe <sub>87</sub> Ga <sub>13</sub> alloy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 498, 166097	2.8	4
147	Magnetic property improvement of melt spun LaCo <sub>5</sub> -based nanocomposites with Y, Fe and C substitutions. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153271	5.7	1
146	Multiferroic and nanomechanical properties of Bi <sub>1-x</sub> R <sub>x</sub> FeO <sub>3</sub> polycrystalline films (R = La, Pr, Sm, and Ho; x = 0-0.15). <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 846, 156080	5.7	3

145	Comparison on the $H_c$ effect in Fe <sub>87</sub> Ga <sub>13</sub> alloy by doping Dy and Tb. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2020</b> , 262, 114747	3.1	1
144	Phase modification and magnetic energy product enhancement of PrCo <sub>5</sub> -based nanomaterials due to carbon addition. <i>Journal of Physics and Chemistry of Solids</i> , <b>2020</b> , 136, 109197	3.9	2
143	L10 FePt Films with Optimal (001) Texture on Amorphous SiO <sub>2</sub> /Si Substrates for High-Density Perpendicular Magnetic Recording Media. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5663-5673	5.6	3
142	Comparison on the structure and exchange bias in Co/MnPt and MnPt/Co polycrystalline films on glass substrates. <i>AIP Advances</i> , <b>2019</b> , 9, 035330	1.5	3
141	Structural evolution, ferroelectric, and nanomechanical properties of Bi <sub>1-x</sub> Sm <sub>x</sub> FeO <sub>3</sub> films (x = 0.05-0.16) on glass substrates. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 787, 397-406	5.7	5
140	Comparison on the coercivity enhancement of sintered NdFeB magnets by grain boundary diffusion with low-melting (Tb, R) <sub>75</sub> Cu <sub>25</sub> alloys (R= None, Y, La, and Ce). <i>AIP Advances</i> , <b>2019</b> , 9, 125238	1.5	10
139	Magnetic properties and microstructure of melt spun YCo <sub>5-x</sub> M <sub>x</sub> ribbons (M= C and Sn; x= 0.3). <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 747, 236-241	5.7	3
138	Overview of the Ways for Enhancing the Coercivity of Hot-Deformed Nd <sub>2</sub> Fe <sub>14</sub> B-Type Magnets. <i>IEEE Transactions on Magnetism</i> , <b>2018</b> , 54, 1-5	2	5
137	Exchange bias in Co/MnPt polycrystalline films on Si(100)/SiO <sub>2</sub> substrates with Ta underlayer. <i>Thin Solid Films</i> , <b>2018</b> , 660, 834-839	2.2	4
136	Improved perpendicular magnetic properties of pulsed-dc-sputtered FePt thin films. <i>Surface and Coatings Technology</i> , <b>2018</b> , 350, 795-800	4.4	1
135	Composition and thermal structural evolution in Pr modified bismuth ferrite near the morphotropic phase boundary. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 768, 903-913	5.7	10
134	. <i>IEEE Transactions on Magnetism</i> , <b>2018</b> , 54, 1-5	2	
133	Significant coercivity enhancement of hot deformed NdFeB magnets by doping Ce-containing (PrNdCe) <sub>70</sub> Cu <sub>30</sub> alloys powders. <i>Scripta Materialia</i> , <b>2018</b> , 146, 222-225	5.6	24
132	Enhanced exchange bias fields for CoO/Co bilayers: influence of antiferromagnetic grains and mechanisms. <i>Applied Surface Science</i> , <b>2017</b> , 405, 316-320	6.7	11
131	Magnetic Property Enhancement of Melt Spun YCo <sub>5</sub> Ribbons by Fe and C Doping. <i>IEEE Transactions on Magnetism</i> , <b>2017</b> , 53, 1-4	2	1
130	Comparison on the Coercivity Enhancement of Hot-Deformed Nd <sub>2</sub> Fe <sub>14</sub> B-Type Magnets by Doping R <sub>70</sub> Cu <sub>30</sub> (R = Nd, Dy, and Tb) Alloy Powders. <i>IEEE Transactions on Magnetism</i> , <b>2017</b> , 53, 1-4	2	2
129	Effects of Pt Buffer Layer and Sr Content on Multiferroic (Bi, Sr)FeO <sub>3</sub> Polycrystalline Thin Films on Glass Substrates. <i>IEEE Transactions on Magnetism</i> , <b>2017</b> , 53, 1-4	2	
128	Effect of Ta underlayer on magnetic properties of FeMn/NiFe films. <i>Surface and Coatings Technology</i> , <b>2016</b> , 303, 148-153	4.4	8

127	(110)-Textured Ca-doped BiFeO <sub>3</sub> film on refined Pt(111) electrode layer on glass substrate at reduced temperature. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 401, 673-676	2.8	3
126	Magnetic properties improvement of melt spun Co <sub>86.5</sub> Hf <sub>11.5</sub> B <sub>2</sub> nanocomposites by refractory elements substitution. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 401, 1139-1144	2.8	3
125	Nanoindentation Study of FePt Thin Films Deposited by Radio Frequency Magnetron Sputtering. <i>Nanoscience and Nanotechnology Letters</i> , <b>2016</b> , 8, 260-265	0.8	8
124	Structure and magnetic properties of 300-nm-thick FePt films with Hf underlayer. <i>Journal of Physics and Chemistry of Solids</i> , <b>2016</b> , 98, 143-148	3.9	2
123	Multiferroic properties of Bi <sub>1-x</sub> A <sub>x</sub> FeO <sub>3</sub> polycrystalline films on glass substrates (A = Ca, Sr, Ba and x=0.05-0.15). <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 683, 427-432	5.7	12
122	Effects of post-annealing on the structural and nanomechanical properties of sputter-deposited FePd thin films. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 648, 980-985	5.7	4
121	Multiferroic properties of (Bi, Ca)FeO <sub>3</sub> films on glass substrates. <i>Applied Surface Science</i> , <b>2015</b> , 355, 12161-126	7.6	5
120	Martensitic Transitions and Magnetocaloric Properties in Mn <sub>49-x</sub> Co <sub>x</sub> Ni <sub>41</sub> Sn <sub>10</sub> (x = 0-4) Ribbons. <i>IEEE Transactions on Magnetism</i> , <b>2015</b> , 51, 1-4	2	1
119	Inhomogeneity on texture, microstructure and magnetic properties of hot deformed R <sub>2</sub> Fe <sub>14</sub> B-typed magnet. <i>International Journal of Modern Physics B</i> , <b>2015</b> , 29, 1540007	1.1	1
118	Investigation of the properties of BiFeO <sub>3</sub> /intermediate-layer structures fabricated by magnetron sputtering. <i>Physics of the Solid State</i> , <b>2015</b> , 57, 1764-1771	0.8	
117	Optimization of permanent magnetic properties in melt spun Co <sub>82-x</sub> Hf <sub>12+x</sub> B <sub>6</sub> (x = 0-4) nanocomposites. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17A717	2.5	2
116	Magnetic property improvement of sputter-prepared FePd films on glass substrates with W underlayer. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 1013-1017	5.7	9
115	Origins of the significant improvement in nanocrystalline Samarium-Cobalt magnetic properties when doping with Niobium. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 262-268	5.7	10
114	Domain wall pinning on strain relaxation defects (stacking faults) in nanoscale FePd (001)/MgO thin films. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 142407	3.4	12
113	Texture control of multiferroic BiFeO <sub>3</sub> polycrystalline films on glass substrates with various metal electrode underlayers. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17C713	2.5	2
112	Formation of BiFeO <sub>3</sub> (110) films on ferromagnetic CoPt(111) electrode layer on glass substrates at reduced temperatures. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17C721	2.5	5
111	Effect of Ba substitution on the multiferroic properties of BiFeO <sub>3</sub> films on glass substrates. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17C734	2.5	9
110	Hard Magnetic Property Improvement of Sputter-Prepared FePd Films on Glass Substrates by Underlayering With Refractory Nb, Mo, and W Elements. <i>IEEE Transactions on Magnetism</i> , <b>2015</b> , 51, 1-4	2	5

109	Perpendicular magnetic anisotropy of non-epitaxial hexagonal Co <sub>50</sub> Pt <sub>50</sub> thin films prepared at room temperature. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 628, 263-266	5.7	5
108	A study on the magnetic properties of melt spun Co-Hf-Zr-B nanocomposite ribbons. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17A724	2.5	12
107	Effect of Hf underlayer on structure and magnetic properties of rapid thermal annealed FePt thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 358-359, 153-158	2.8	3
106	Photovoltaic Property of Multiferroic $\text{BiFeO}_3$ Films With Different Textures on Glass Substrates. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	1
105	. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	3
104	Effect of Substrates on the Structure and Ferroelectric Properties of Multiferroic $\text{BiFeO}_3$ Films. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	1
103	Magnetic Property Enhancement of FePt Films by Zr Underlayering. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	1
102	Magnetocaloric Properties of Melt-Spun Fe <sub>50</sub> Mn <sub>25</sub> Ga <sub>25</sub> Ribbons. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	
101	Energy product enhancement of FePt films by underlayering with Ti, Zr, and Hf. <i>Applied Surface Science</i> , <b>2014</b> , 313, 755-761	6.7	11
100	Effect of magnetic field on the structure and magnetic properties of pulse-laser-deposited FePt films. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 584, 148-151	5.7	8
99	Hard magnetic property enhancement of Co <sub>7</sub> Hf-based ribbons by boron doping. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 192404	3.4	18
98	Magnetic behaviors in melt spun Fe <sub>52</sub> Mn <sub>23+x</sub> Ga <sub>25</sub> (x = 0B) ribbons. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D709	2.5	
97	Perpendicular magnetic anisotropic Pr-Fe-B thin films on glass substrates. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17A726	2.5	4
96	Optimization of high frequency characteristics in Co-Ta thin films. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17A312	2.5	3
95	Exchange bias and crystal structure of epitaxial (111) FePt/BiFeO <sub>3</sub> sputtered thin films. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D903	2.5	1
94	Formation of perovskite BiFeO <sub>3</sub> (001) films on refined Pt(111) electrode layer with reduced thickness on glass substrates. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D912	2.5	6
93	A Study on the Phase Evolution and Magnetic Properties of Nd $_{0.5 - 1.5}$ Fe $_{\text{bal.}}$ Ti $_{2.5}$ Zr $_{0.5}$ B $_{15 + 2}$ . <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3364-3367	2	2
92	Magnetic properties enhancement of melt spun CoZrB ribbons by elemental substitutions. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 346, 74-77	2.8	26

91	Comparison on the magnetic properties, phase evolution and microstructure of directly quenched PrFeTiB-based ribbons and rods. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 551, 694-701	5.7	3
90	Photovoltaic property of sputtered BiFeO <sub>3</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 574, 402-406	5.6	26
89	Magnetic properties, phase and microstructure of direct cast Nd <sub>9.5</sub> Fe <sub>10</sub> Al <sub>15</sub> Co <sub>10</sub> Mn <sub>15</sub> rod magnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 326, 108-111	2.8	4
88	High quality multiferroic BiFeO <sub>3</sub> films prepared by pulsed laser deposition on glass substrates at reduced temperatures. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17D917	2.5	11
87	Magnetic properties, phase evolution, and microstructure of melt spun Sm(Co <sub>0.97</sub> Ti <sub>0.03</sub> ) <sub>1-x</sub> Cy (x=50; y=00.1) ribbons. <i>Journal of Physics and Chemistry of Solids</i> , <b>2012</b> , 73, 13-17	3.9	3
86	Magnetic properties, phase evolution, and microstructure of melt spun Sm(Co <sub>1-x</sub> Zr <sub>x</sub> ) <sub>100-y-z</sub> Cy (x=50; y=00.15; z=0.03 and 0.06) ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 1006-1010	2.8	4
85	Effect of Co addition on the microstructure and magnetic properties of Nd <sub>9.5</sub> Fe <sub>10</sub> Al <sub>15</sub> Co <sub>x</sub> Nb <sub>2.5</sub> Zr <sub>0.5</sub> B <sub>15</sub> (x = 0, 10, 20) bulk magnets. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 538, 28-33	5.7	4
84	Magnetostriction and $\mu$ effect of melt-spun (Fe <sub>81-x</sub> Co <sub>x</sub> Ga <sub>19</sub> ) <sub>80</sub> B <sub>20</sub> ribbons. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 053904	2.5	5
83	Exchange bias in sputtered FM/BiFeO <sub>3</sub> thin films (FM = Fe and Co). <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07B105	2.5	19
82	Magnetic properties and crystal structure of melt-spun Sm(Co, M) <sub>7</sub> (M = Al and Si) ribbons. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07E306	2.5	21
81	Study on the soft magnetic properties and high frequency characteristics of Co-M (M = Ti, Zr, and Hf) thin films. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07A333	2.5	5
80	Sputter-prepared BiFeO <sub>3</sub> (001) films on L10 FePt(001)/glass substrates. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07D918	2.5	17
79	Composition dependence of magnetic properties of directly quenched NdFeTiZrB bulk magnets. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 1249-1254	5.7	11
78	Investigation of magnetic properties and microstructure of ultrathin Co films grown on Si(111)-7 x 7 surface. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 2696-9	1.3	
77	Magnetic properties, phase evolution, and microstructure of melt spun Hf-substituted Sm(Co <sub>0.97</sub> Hf <sub>0.03</sub> ) <sub>1-x</sub> Cy (x = 5-9; y = 0-0.1) nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 2722-5	1.3	
76	Magnetic properties of melt spun mischmetals-Fe-Ti-B nanocomposite ribbons. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 2756-60	1.3	2
75	Magnetic properties and microstructure of bulk NdFeB magnets solidified in magnetic field. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07A715	2.5	13
74	Magnetic Properties and Crystal Structure of Melt Spun $\text{SmCo}_{1-x}\text{Sn}_x$ ( $x=0-0.6$ ) Ribbons. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3332-3335	2	7



73	Bulk Nanocrystalline Nd-Fe-B Magnets Solidified in Magnetic Field With Various Surface Area-to-Volume Ratios. <i>IEEE Transactions on Magnetism</i> , <b>2011</b> , 47, 3263-3266	2	6
72	. <i>IEEE Transactions on Magnetism</i> , <b>2011</b> , 47, 3924-3927	2	5
71	Alloying effect on the magnetic properties of RFeB-type bulk magnets. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 064002	3	23
70	Effect of Ge on the magnetic properties and crystal structure of melt spun SmCo <sub>7</sub> Ge <sub>x</sub> ribbons. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07A730	2.5	15
69	Structures and magnetocaloric effects of Gd <sub>65</sub> RE <sub>x</sub> Fe <sub>20</sub> Al <sub>15</sub> (x = 0-10; RE=Tb, Dy, Ho, and Er) ribbons. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07A933	2.5	9
68	Magnetic properties and high frequency characteristics of sputtered FeAl and FeAlB. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 266, 012031	0.3	1
67	A study of the magnetic properties and high-frequency characteristics of Fe <sub>1-x</sub> Co <sub>x</sub> /FeCoB-based bilayer films. <i>Physica Scripta</i> , <b>2010</b> , T139, 014031	2.6	2
66	Enhancement of coercivity for melt-spun SmCo <sub>7</sub> Tax ribbons with Ta addition. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09A705	2.5	7
65	Magnetic properties, phase evolution, and microstructure of melt spun Sm(Co,M) <sub>x</sub> Cy (M=Hf and Zr; x=5-15; y=0-15) ribbons. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09A710	2.5	11
64	Effects of C and Cr contents on the magnetic properties and microstructure of directly quenched NdFeTiZrCrBC bulk magnets. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09A740	2.5	12
63	Crystal structure and magnetic properties of melt spun SmCo <sub>7</sub> M <sub>x</sub> (M=Ta, Cr, and Mo; x=0-6) ribbons. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09A738	2.5	10
62	Magnetic property enhancement of directly quenched NdFeB bulk magnets with Ti substitution. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 489, 499-503	5.7	19
61	Thermal stability and magnetocaloric effect of the Gd <sub>65</sub> Fe <sub>20</sub> Al <sub>15</sub> B <sub>x</sub> (x=0-10) glassy ribbons. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09A901	2.5	21
60	Co nanoislands on Au(111) and Cu(111) surfaces studied by scanning tunneling microscopy and spectroscopy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 4663-6	1.3	4
59	Effect of initial stress/strain state on order-disorder transformation of FePt thin films. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 232505	3.4	72
58	Magnetocaloric effect in Fe <sub>2</sub> R <sub>2</sub> B <sub>2</sub> (M=Mn, Cr, and Co) amorphous systems. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A910	2.5	38
57	Effect of B content on the magnetic properties, phase evolution, and aftereffect of nanocrystalline FeCoPtB ribbons. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A746	2.5	5
56	Improvement of size and magnetic properties of Nd <sub>9.5</sub> Fe <sub>72.5</sub> Ti <sub>3</sub> B <sub>15</sub> bulk magnets by Zr or Nb substitution for Ti. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A742	2.5	11

55	PHASE EVOLUTION AND MAGNETIC PROPERTIES OF TbCu <sub>7</sub> -TYPE (Sm, Pr)Co <sub>7-x</sub> Hf <sub>x</sub> My (x = 0-0.5; y = 0-0.14) RIBBONS. <i>International Journal of Modern Physics B</i> , <b>2009</b> , 23, 1663-1669	1.1	2
54	MAGNETIC PROPERTIES AND CRYSTAL STRUCTURE OF MELT SPUN Sm(Co, M) <sub>7</sub> RIBBONS (M = Hf, V, Nb, and Ta). <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3707-3716	1.6	2
53	High magnetic properties of nanocomposite ribbons made with Mischmetals FeCoTiB alloys. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A704	2.5	11
52	Study on strengthening and toughening of sintered rare-earth permanent magnets. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A703	2.5	14
51	. <i>IEEE Transactions on Magnetism</i> , <b>2009</b> , 45, 2682-2685	2	3
50	Development of bulk Nd <sub>9.5</sub> Fe <sub>75.5</sub> MxB <sub>15</sub> (M=Mo, Nb, Ta, Ti, and Zr; x=0-1) magnets by direct casting method. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 484, 143-146	5.7	20
49	Magnetic properties, phase evolution, and structure of melt spun SmCo <sub>7</sub> Nbx (x=0-0.6) ribbons. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A731	2.5	21
48	Crystal structure and magnetic properties of melt spun Sm(Co,V) <sub>7</sub> ribbons. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A705	2.5	18
47	Magnetic properties, phase evolution and microstructure of directly quenched bulk PrFeB <sub>2</sub> Nb magnets. <i>Scripta Materialia</i> , <b>2008</b> , 59, 227-230	5.6	17
46	. <i>IEEE Transactions on Magnetism</i> , <b>2008</b> , 44, 4195-4198	2	5
45	HIGH MAGNETIC PROPERTIES OF TbCu <sub>7</sub> -TYPE MELT SPUN (Sm, Pr)Co <sub>7-x</sub> Hf <sub>x</sub> Cy RIBBONS. <i>Functional Materials Letters</i> , <b>2008</b> , 01, 183-187	1.2	2
44	Microstructure and magnetocaloric effect of melt-spun Y <sub>2</sub> Fe <sub>17</sub> ribbons. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07B302	2.5	14
43	Magnetization reversal and microstructure of FePtAg (001) particulate thin films for perpendicular magnetic recording media. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07E116	2.5	7
42	Effects of Pt and Fe underlayers on the microstructure and magnetization reversal of epitaxial FePt films for high areal density magnetic recording. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07E138	2.5	14
41	Magnetic property improvement of Pt-lean FePtFeB-type nanocomposites by Co substitution. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07E133	2.5	13
40	Large energy density enhancement in FePt films by microstructure refining. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07E115	2.5	6
39	The role of nonmagnetic phases in improving the magnetic properties of devitrified Pr <sub>2</sub> Fe <sub>14</sub> B-based nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2008</b> , 149, 73-76	3.1	5
38	The role of combined addition of Ti and B in magnetic hardening of devitrified Pr <sub>2</sub> Fe <sub>14</sub> B/(Fe <sub>3</sub> B,Fe) nanocomposite magnets. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2008</b> , 205, 1207-1210	1.6	2



37	Effect of C addition on the magnetic properties, phase evolution, and microstructure of melt spun ribbons. <i>Solid State Communications</i> , <b>2008</b> , 147, 69-73	1.6	8
36	Preannealing effect on ordering transformation and magnetic properties of CoPt thin films. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 09K526	2.5	7
35	Microstructure study of the Co-added FePt thin films with high energy density. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 4162-4165	1.6	
34	Magnetic properties, phase evolution and coercivity mechanism of PrFeTiB-based nanocomposites with Co/C cosubstitution. <i>Scripta Materialia</i> , <b>2007</b> , 56, 429-432	5.6	18
33	Comparison on the magnetic properties and phase evolution of melt-spun SmCo <sub>7</sub> ribbons with Zr and Hf substitution. <i>Scripta Materialia</i> , <b>2007</b> , 56, 1099-1102	5.6	40
32	Effect of Ag Segregation on Reversal Behavior of (FePt) <sub>77</sub> Ag <sub>23</sub> Alloy Thin Films. <i>IEEE Transactions on Magnetics</i> , <b>2007</b> , 43, 3001-3003	2	5
31	Grain Refining and Decoupling in FePt/SiO <sub>2</sub> Nanogranular Films for Magnetic Recording. <i>IEEE Transactions on Magnetics</i> , <b>2007</b> , 43, 2124-2126	2	3
30	Self-organized magnetic assemblies of (001) oriented FePt nanoparticles with SiO <sub>2</sub> additive. <i>Nanotechnology</i> , <b>2007</b> , 18, 335603	3.4	10
29	Coercivity enhancement of melt spun FePt ribbons by Au addition. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 09K514	2.5	8
28	Magnetic properties, phase evolution, and microstructure of melt spun SmCo <sub>7</sub> Hf <sub>x</sub> Cy (x=0.5; y=0.14) ribbons. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 09K508	2.5	21
27	Effect of Ti substitution on the magnetic properties, microstructure, and aftereffect of melt spun PrFeB nanocomposites. <i>Scripta Materialia</i> , <b>2006</b> , 55, 529-532	5.6	21
26	The effect of Ti and C on the phase evolution and magnetic properties of Pr <sub>9</sub> Fe <sub>10</sub> Ti <sub>x</sub> B <sub>11</sub> Cy (x=0.5, y=0.1) nanocomposites. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08B519	2.5	7
25	Magnetic properties of ultrathin Co <sub>90</sub> Fe <sub>10</sub> (111) film with oxygen surfactant. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08J705	2.5	8
24	Magnetic properties, microstructure and phase evolution of (Ce <sub>1-x</sub> Pr <sub>x</sub> ) <sub>9.5</sub> Fe <sub>10</sub> Co <sub>y</sub> Ti <sub>2</sub> B <sub>10</sub> (x=0.5 and y=0, 2.5) nanocomposites. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08B518	2.5	8
23	Magnetic aftereffect and magnetic force microscopy studies of Fe <sub>80</sub> Pr <sub>20</sub> Pt-type nanocomposite ribbons. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08E907	2.5	7
22	Effect of C on Phase Evolution, Microstructure, and Magnetic Properties of Pr <sub>2</sub> Fe <sub>14</sub> B-Type Nanocomposites. <i>Journal of Iron and Steel Research International</i> , <b>2006</b> , 13, 136-145	1.2	
21	Investigation of magnetic properties, phase evolution, and microstructure of melt spun PrFeTiBC nanocomposites. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 424, 376-381	5.7	6
20	Magnetic property enhancement by sputtering magnetically soft films (Co, Fe and Fe <sub>65</sub> Co <sub>35</sub> ) on PrFeB-type permanent magnet ribbons. <i>Surface and Coatings Technology</i> , <b>2006</b> , 200, 3366-3369	4.4	4

19	FeB/FePt-type nanocomposite ribbons with high permanent magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 292, 120-125	2.8	25
18	Reduction of grain size and ordering temperature in L1/sub 0/ FePt thin films. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 3772-3774	2	8
17	Effect of boron content on the magnetic properties, phase evolution, and microstructure of Pr/sub 9/Fe/sub 88.5-x/Ti/sub 2.5/B/sub x/ (x=7-15) nanocomposites. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 3769-3771	2	10
16	Magnetic properties and microstructure of nanocomposite Pr <sub>2</sub> Fe <sub>14</sub> (B,C)/Fe melt-spun ribbons. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10K309	2.5	4
15	Effect of boron on the magnetic properties and exchange-coupling effect of FePtB-type nanocomposite ribbons. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10N117	2.5	19
14	Magnetic properties, phase evolution, and coercivity mechanism of Co <sub>x</sub> Zr <sub>98-x</sub> B <sub>2</sub> (x=74-86) nanocomposites. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10F307	2.5	28
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12	Phase evolution, magnetic properties, and coercivity mechanism of melt-spun Pr <sub>2</sub> Fe <sub>14</sub> (C, B)/Fe-type ribbons. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 344, 201-205	2.8	6
11	Effect of Fe substitution by Ti or Nb/V/Zr on phase stability and magnetic properties of Pr <sub>2</sub> Fe <sub>23</sub> (B, C) <sub>3</sub> ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 282, 186-192	2.8	20
10	Effect of M/C (M=Zr, Nb and Ti) substitution on the phase evolution and magnetic properties of Pr <sub>2</sub> Fe <sub>23</sub> B <sub>3</sub> ribbons. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 3389-3393		
9	Magnetic properties and phase evolution of PrFeB nanocomposites by refractory element substitution. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 3394-3398		
8	Investigation of magnetic properties, after effect and MFM of Pr <sub>y</sub> Fe <sub>90-y</sub> B <sub>10</sub> (y=8-1.76) nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 279, 149-159	2.8	14
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