Wen Cheng Chang

List of Publications by Year
in descending order

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67	753	567281 15	610901 24
papers	citations	h-index	g-index

67	67	67	437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic Properties of Ceâ‚‚â‚…Alâ‚‚â‚… Doped NdFeB Sintered Magnet by Grain Boundary Diffusion of Tbâ‚‡â‚€Cuâ‚‚â‚€ Powders. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	4
2	Phase modification and magnetic property improvement in melt spun LaCo5-based ribbons. Journal of Materials Science, 2022, 57, 8800-8817.	3.7	2
3	Comparison on the coercivity enhancement of the sintered NdFeB magnets by grain boundary diffusion with Tb70Cu30 powders prepared by different milling methods. AIP Advances, 2021, 11, .	1.3	10
4	Coercivity enhancement of hot-deformed NdFeB magnet by doping R80Al20 (R = La, Ce, Dy, Tb) alloy powders. AIP Advances, 2021, 11, .	1.3	12
5	Large stress-induced anisotropy in soft magnetic films for synthetic spin valves. Applied Physics Letters, 2021, 119, 242402.	3.3	1
6	Correlation between phase composition and exchange bias in CoFe/MnN and MnN/CoFe polycrystalline films. AIP Advances, 2020, 10, 025035.	1.3	4
7	Comparison on the structure and exchange bias in Co/MnPt and MnPt/Co polycrystalline films on glass substrates. AIP Advances, 2019, 9, 035330.	1.3	3
8	Comparison on the coercivity enhancement of sintered NdFeB magnets by grain boundary diffusion with low-melting (Tb, R)75Cu25 alloys (R= None, Y, La, and Ce). AIP Advances, 2019, 9, .	1.3	17
9	Overview of the Ways for Enhancing the Coercivity of Hot-Deformed Nd₂Fe₁₄B-Type Magnets. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	6
10	Hard Magnetic Property Improvement of Melt-Spun PrCo5 Ribbons by Fe and C Doping. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	2
11	Comparison on the Coercivity Enhancement of Hot-Deformed Nd₂Fe₁₄B-Type Magnets by Doping R₇₀Cu₃₀ (R = Nd, Dy, and Tb) Alloy Powders. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	4
12	Optimization of the Magnetic Properties of Hot Deformed Nd-Fe-B Magnets. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	5
13	Effects of Pt Buffer Layer and Sr Content on Multiferroic (Bi, Sr)FeO3Polycrystalline Thin Films on Glass Substrates. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	0
14	Magnetic Property Enhancement of Melt Spun YCo5 Ribbons by Fe and C Doping. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2
15	Phase Structure and Magnetic Properties of Mn₇₀Ga_{30â€“x}Sn_x ($x = 5$ â€“30) Alloy Ribbons. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	1
16	Phase structure and magnetic properties of Mn<inf>70</inf>Ga<inf>30-x</inf>Sn (x = 5â˜30) alloy ribbons. , 2015, , .		0
17	Hard Magnetic Property Improvement of Sputter-Prepared FePd Films on Glass Substrates by Underlayering With Refractory Nb, Mo, and W Elements. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	6
18	Martensitic Transitions and Magnetocaloric Properties in Mn49â€“xCoxNi41Sn10 ($x = 0$ â€“4) Ribbons. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	1

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19	Inhomogeneity on texture, microstructure and magnetic properties of hot deformed R₂Fe₁₄B-typed magnet. International Journal of Modern Physics B, 2015, 29, 1540007.	2.0	3
20	Optimization of permanent magnetic properties in melt spun Co82â^'xHf12+xB6 (xâ€‰=â€‰0â€“4) nanocomposites. Journal of Applied Physics, 2015, 117, 17A717.	2.5	2
21	Hard magnetic property enhancement of Co7Hf-based ribbons by boron doping. Applied Physics Letters, 2014, 105, .	3.3	19
22	Magnetic behaviors in melt spun Fe52â^'xMn23+xGa25 (xâ€‰=â€‰0â€“3) ribbons. Journal of Applied Physics, 2014, 115, 17D709.	2.5	0
23	Perpendicular magnetic anisotropic Pr-Fe-B thin films on glass substrates. Journal of Applied Physics, 2014, 115, .	2.5	8
24	Optimization of high frequency characteristics in Co-Ta thin films. Journal of Applied Physics, 2014, 115, 17A312.	2.5	3
25	Effect of diamagnetic barium substitution on magnetic and photovoltaic properties in multiferroic BiFeO3. Journal of Applied Physics, 2014, 115, .	2.5	15
26	Phase evaluation, magnetic, and electric properties of Mn60+xGa40â^'x (xâ€‰=â€‰0â€“15) ribbons. Journal of Applied Physics, 2014, 115, 17A750.	2.5	15
27	A study on the magnetic properties of melt spun Co-Hf-Zr-B nanocomposite ribbons. Journal of Applied Physics, 2014, 115, .	2.5	12
28	Magnetic Properties and Microstructure of Directly Quenched R-Fe-Ti-Zr-Cr-B-C Bulk Magnets (${hbox{R}}={hbox{Nd}}$, Pr, and Mischmetals). IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	3
29	Magnetic Property Enhancement of FePt Films by Zr Underlayering. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	1
30	Magnetocaloric Properties of Melt-Spun Feâ€“Niâ€“Mnâ€“Ga Ribbons. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	0
31	A Study on the Phase Evolution and Magnetic Properties of Nd $_{9.5 - 1.5{m x}}$Fe$_{{m bal}.}$Ti$_{2.5}$Zr$_{0.5}$B$_{15 + 2{m x}}$$({m x}=0 hbox{--}4)$ Bulk Magnets. IEEE Transactions on Magnetics, 2013, 49, 3364-3367.	2.1	2
32	Exchange bias in sputtered FM/BiFeO3 thin films (FMâ€‰=â€‰Fe and Co). Journal of Applied Physics, 2012, 111,	2.5	21
33	Magnetic properties and crystal structure of melt-spun Sm(Co, M)7 (Mâ€‰=â€‰Al and Si) ribbons. Journal of Applied Physics, 2012, 111, .	2.5	24
34	Study on the soft magnetic properties and high frequency characteristics of Co-M (Mâ€‰=â€‰Ti, Zr, and Hf) thin films. Journal of Applied Physics, 2012, 111, 07A333.	2.5	6
35	Sputter-prepared BiFeO3(001) films on L10 FePt(001)/glass substrates. Journal of Applied Physics, 2012, 111, 07D918.	2.5	18
36	Magnetostriction and Î”E effect of melt-spun (Fe81â^'xCoxGa19)80B20 ribbons. Journal of Applied Physics, 2012, 112, 053904.	2.5	5

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37	The influence of Si addition on the glass forming ability, magnetic and magnetocaloric properties of the Gd-Fe-Al glassy ribbons. Journal of Applied Physics, 2011, 109, 07A911.	2.5	7
38	Magnetic properties and microstructure of bulk Ndâ€“Feâ€“B magnets solidified in magnetic field. Journal of Applied Physics, 2011, 109, .	2.5	13
39	Magnetic Properties and Crystal Structure of Melt Spun ${m SmCo}_{7-{m x}}{m Sn}_{m x}$ (${m x}=0$â€“0.6) Ribbons. IEEE Transactions on Magnetics, 2011, 47, 3332-3335.	2.1	9
40	Alloying effect on the magnetic properties ofRFeB-type bulk magnets. Journal Physics D: Applied Physics, 2011, 44, 064002.	2.8	23
41	Effect of Ge on the magnetic properties and crystal structure of melt spun SmCo7â€“xGex ribbons. Journal of Applied Physics, 2011, 109, .	2.5	18
42	Structures and magnetocaloric effects of Gd65â^'xRExFe20Al15 (xâ€‰=â€‰0â€“20; RE=Tb, Dy, Ho, and Er) ribbons. Journal of Applied Physics, 2011, 109, 07A933.	2.5	10
43	The effect of doping element Zr on anisotropy and microstructure of SmCo7â^'xZrx. Journal of Applied Physics, 2011, 109, 07A748.	2.5	12
44	Enhancement of coercivity for melt-spun SmCo7â^'xTax ribbons with Ta addition. Journal of Applied Physics, 2010, 107, .	2.5	9
45	Magnetic properties, phase evolution, and microstructure of melt spun Sm(Co,M)xCy (M=Hf and Zr;) Tj ETQq1 1 0.784314 rgBT /Ove	2.5	13
46	Effects of C and Cr contents on the magnetic properties and microstructure of directly quenched NdFeTiZrCrBC bulk magnets. Journal of Applied Physics, 2010, 107, .	2.5	13
47	Crystal structure and magnetic properties of melt spun SmCo7â^'xMx (M=Ta, Cr, and Mo; x=â€“0.6) ribbons. Journal of Applied Physics, 2010, 107, .	2.5	14
48	Thermal stability and magnetocaloric effect of the Gd65Fe20Al15â^'xBx (x=0â€“7) glassy ribbons. Journal of Applied Physics, 2010, 107, 09A901.	2.5	21
49	Magnetocaloric effect in Feâ€“Zrâ€“Bâ€“M (M=Mn, Cr, and Co) amorphous systems. Journal of Applied Physics, 2009, 105, .	2.5	44
50	Effect of B content on the magnetic properties, phase evolution, and aftereffect of nanocrystalline FeCoPtB ribbons. Journal of Applied Physics, 2009, 105, 07A746.	2.5	5
51	Improvement of size and magnetic properties of Nd9.5Fe72.5Ti3B15 bulk magnets by Zr or Nb substitution for Ti. Journal of Applied Physics, 2009, 105, 07A742.	2.5	12
52	PHASE EVOLUTION AND MAGNETIC PROPERTIES OF TbCu₇-TYPE (Sm,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (Pr)Co_{7-x}<for (x = 0-0.5; y = 0-0.14) RIBBONS. International Journal of Modern Physics B, 2009, 23, 1663-1669.	2.0	3
53	MAGNETIC PROPERTIES AND CRYSTAL STRUCTURE OF MELT SPUN Sm(Co,) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	5
54	High magnetic properties of nanocomposite ribbons made with Mischmetalsâ€“Feâ€“Coâ€“Tiâ€“B alloys. Journal of Applied Physics, 2009, 105, .	2.5	11

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55	MAGNETIC PROPERTIES, NANOSTRUCTURE AND ORDERING KINETICS OF FePtCu THIN FILMS. International Journal of Modern Physics B, 2009, 23, 1652-1657.	2.0	2
56	Magnetic properties, phase evolution, and structure of melt spun SmCo7â^'xNbx (x=0â€“0.6) ribbons. Journal of Applied Physics, 2009, 105, 07A731.	2.5	23
57	Crystal structure and magnetic properties of melt spun Sm(Co,V)7 ribbons. Journal of Applied Physics, 2009, 105, 07A705.	2.5	20
58	The role of combined addition of Ti and B in magnetic hardening of devitrified Pr₂Fe₁₄B/(Fe₃B,Î±â€Fe) nanocomposite magnets. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1207-1210.	1.8	2
59	HIGH MAGNETIC PROPERTIES OF TbCu7-TYPE MELT SPUN (Sm, Pr)Co7-xHfxCy RIBBONS. Functional Materials Letters, 2008, 01, 183-187.	1.2	2
60	Magnetic Properties and Crystallographic Structure of Fe$_{3}$Pt Thin Films. IEEE Transactions on Magnetics, 2008, 44, 3902-3905.	2.1	7
61	Magnetic property improvement of Pt-lean FePtâ•Feâ€“B-type nanocomposites by Co substitution. Journal of Applied Physics, 2008, 103, .	2.5	13
62	Magnetic properties, phase evolution, and microstructure of melt spun SmCo7â^'xHfxCy (x=0â€“0.5;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.5	23
63	Magnetic properties and microstructure of nanocomposite Pr2Fe14(B,C)â•Î±â€Fe melt-spun ribbons. Journal of Applied Physics, 2005, 97, 10K309.	2.5	4
64	Magnetic property enhancement of melt-spun Pr2Fe23B3 ribbons with dilute Ti substitution. Applied Physics Letters, 2003, 82, 4513-4515.	3.3	55
65	A neutron diffraction structural study of R2Fe17â^'xAlx(C) (R=Tb, Ho) alloys. Journal of Applied Physics, 1998, 83, 6914-6916.	2.5	5
66	High performance Î±-Fe/Nd2Fe14B-type nanocomposites. Applied Physics Letters, 1998, 72, 121-123.	3.3	112
67	Studies of V, Nb, Cr, and Zr substituted 2:17 compounds and their carbides using neutron diffraction. Journal of Applied Physics, 1997, 81, 4542-4544.	2.5	6