

Z Altounian

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159
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L-index

#	Paper	IF	Citations
159	Superconductivity and spin fluctuations in $M\bar{Z}$ metallic glasses ($M=Cu, Ni, Co, \text{ and } Fe$). <i>Physical Review B</i> , 1983 , 27, 4149-4156	3.3	269
158	Crystallization characteristics of Ni-Zr metallic glasses from Ni ₂₀ Zr ₈₀ to Ni ₇₀ Zr ₃₀ . <i>Journal of Applied Physics</i> , 1983 , 54, 3111-3116	2.5	245
157	Magnetic properties of iron-rich Fe-Zr glasses. <i>Physical Review B</i> , 1987 , 35, 8630-8638	3.3	243
156	Crystallization characteristics of Cu-Zr metallic glasses from Cu ₇₀ Zr ₃₀ to Cu ₂₅ Zr ₇₅ . <i>Journal of Applied Physics</i> , 1982 , 53, 4755-4760	2.5	192
155	The influence of oxygen and other impurities on the crystallization of NiZr ₂ and related metallic glasses. <i>Journal of Applied Physics</i> , 1987 , 61, 149-155	2.5	165
154	Optical conductivity of the stable icosahedral quasicrystal Al _{63.5} Cu _{24.5} Fe ₁₂ . <i>Physical Review Letters</i> , 1991 , 67, 2694-2696	7.4	96
153	Crystallization characteristics of Fe-Zr metallic glasses from Fe ₄₃ Zr ₅₇ to Fe ₂₀ Zr ₈₀ . <i>Journal of Applied Physics</i> , 1985 , 57, 1777-1782	2.5	84
152	The partitioning of La and Y in NdFeB magnets: A first-principles study. <i>Journal of Alloys and Compounds</i> , 2013 , 549, 366-369	5.7	79
151	Crystallization characteristics of late transition metal-Zr glasses around the composition M ₉₀ Zr ₁₀ . <i>Journal of Applied Physics</i> , 1986 , 59, 2364-2367	2.5	75
150	Magnetocaloric effect in pseudobinary compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 292, 83-88	2.8	73
149	Structure and magnetic properties of R ₂ Fe ₁₇ C _x ($x \sim 2.5$). <i>Applied Physics Letters</i> , 1992 , 60, 129-131	3.4	73
148	Effect of Co content on magnetic entropy change and structure of La(Fe _{1-x} Co _x) _{11.4} Si _{1.6} . <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 264, 209-213	2.8	67
147	The formation of single-phase equiatomic MnBi by rapid solidification. <i>Journal of Materials Research</i> , 1990 , 5, 2646-2651	2.5	63
146	Magnetism and electron-mass enhancement in zirconium-rich Fe-Zr and Co-Zr metallic glasses. <i>Physical Review B</i> , 1985 , 31, 577-580	3.3	61
145	Temperature dependence of coercivity in MnBi. <i>Journal of Applied Physics</i> , 1993 , 73, 6275-6277	2.5	59
144	The order of magnetic phase transition in La(Fe _{1-x} Co _x) _{11.4} Si _{1.6} compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 270, 305-311	2.8	57
143	Thermoelectric power of Ni-Zr metal glasses. <i>Physical Review B</i> , 1983 , 27, 1955-1958	3.3	48

142	Crystallization characteristics of Co-Zr metallic glasses from Co ₅₂ Zr ₄₈ to Co ₂₀ Zr ₈₀ . <i>Journal of Applied Physics</i> , 1985 , 58, 1192-1195	2.5	48
141	Structure and magnetic transition of LaFe ₁₃ Si ₆ compounds. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 7385-7394	1.8	46
140	Hydrogen-induced change in magnetic structure of the metallic glass Fe ₈₉ Zr ₁₁ . <i>Journal of Physics F: Metal Physics</i> , 1983 , 13, L217-L222		45
139	Formation, structure, and crystallization of Al-rich metallic glasses. <i>Journal of Applied Physics</i> , 1994 , 75, 4438-4441	2.5	43
138	Formation of MnBi ferromagnetic phases through crystallization of the amorphous phase. <i>Journal of Applied Physics</i> , 1991 , 69, 6067-6069	2.5	42
137	Structure and magnetic properties of bulk nanocrystalline SmCo _{6.6} Nb _{0.4} permanent magnets. <i>Applied Physics Letters</i> , 2007 , 90, 242506	3.4	41
136	The structure and large magnetocaloric effect in rapidly quenched LaFe _{11.4} Si _{1.6} compound. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 8043-8051	1.8	41
135	The partitioning of Dy and Tb in NdFeB magnets: A first-principles study. <i>Journal of Applied Physics</i> , 2012 , 111, 07A701	2.5	40
134	Superconductivity, magnetic susceptibility and thermal relaxation in amorphous Cu ₂ Zr. <i>Solid State Communications</i> , 1981 , 40, 221-224	1.6	40
133	Intrinsic magnetic properties of single-phase Mn(1+x)Ga (0. <i>Scientific Reports</i> , 2015 , 5, 17086	4.9	39
132	Phase formation and structure in rapidly quenched alloys. <i>Journal of Alloys and Compounds</i> , 2005 , 397, 120-125	5.7	37
131	Nanocomposite Nd-rich Nd ₂ Fe ₂ B alloys: Approaching ideal Stoner-Wohlfarth type behavior. <i>Applied Physics Letters</i> , 2000 , 76, 1746-1748	3.4	37
130	Crystallization of amorphous CuZr ₂ . <i>Physical Review B</i> , 1981 , 24, 505-509	3.3	37
129	Hydrogen in amorphous Ni ₂ Zr: Pressure concentration isotherms, site occupation, and binding energies. <i>Journal of Materials Research</i> , 1986 , 1, 765-773	2.5	36
128	A comparison between the thermal properties of Ni ₂ Zr amorphous alloys obtained by mechanical alloying and melt-spinning. <i>Materials Science and Engineering</i> , 1988 , 97, 317-320		33
127	Formation, crystallization, and magnetic properties of Nd-Fe-B glasses. <i>Journal of Applied Physics</i> , 1989 , 66, 768-771	2.5	32
126	Reversible structural relaxation in Fe-Ni-B-Si metallic glasses. <i>Journal of Applied Physics</i> , 1987 , 62, 3633-3638		32
125	Phase formation and magnetocaloric effect in rapidly quenched La(Fe _{1-x} Cox) _{11.4} Si _{1.6} . <i>Journal of Applied Physics</i> , 2005 , 98, 113904	2.5	29

124	Structure and magnetic properties of rare-earth iron nitrides, carbides and carbonitrides (invited). <i>Journal of Applied Physics</i> , 1993 , 73, 6017-6022	2.5	29
123	Structure and magnetic properties of RFe ₁₁ TiN _x (R=Y, Sm, and Dy). <i>Journal of Applied Physics</i> , 1991 , 70, 6006-6008	2.5	29
122	Reversible structural relaxation in metallic glasses. <i>Materials Science and Engineering</i> , 1988 , 97, 461-468		26
121	Spin-fluctuation effects in the resistivity of Fe-Zr metallic glasses. <i>Physical Review B</i> , 1985 , 31, 6116-6118	3.3	26
120	Structural and magnetic properties of Nd ₂ Fe ₁₇ Cr _x (x=0, 0.5, 1, 1.9). <i>Journal of Applied Physics</i> , 1997 , 81, 5118-5120	2.5	25
119	Thermopower and resistivity in amorphous Cu _{1-x} Zr _x alloys. <i>Physical Review B</i> , 1983 , 27, 619-623	3.3	25
118	Crystallization and texturing in rapidly quenched Nd ₂ Fe ₁₄ B ₁ and Nd ₁₅ Fe ₇₇ B ₈ . <i>Journal of Applied Physics</i> , 1988 , 63, 3330-3332	2.5	24
117	A search for phase separation in amorphous NiZr ₂ . <i>Journal of Applied Physics</i> , 1984 , 55, 1566-1571	2.5	24
116	The crystallization characteristics of Mg-Zn metallic glasses from Mg ₈₀ Zn ₂₀ to Mg ₆₀ Zn ₄₀ . <i>Journal of Materials Science</i> , 1982 , 17, 3268-3274	4.3	23
115	Magnetocaloric effect in Mn ₅ Ge ₃ Six pseudobinary compounds. <i>Journal of Applied Physics</i> , 2006 , 99, 08Q101	2.5	22
114	Effects of spin fluctuations on the resistivity of metallic glasses. <i>Physical Review B</i> , 1994 , 49, 8621-8626	3.3	20
113	A first-principles study on the magnetocaloric compound MnFe ₂ BSi ₁ B. <i>Journal of Applied Physics</i> , 2009 , 105, 07A902	2.5	19
112	The Role of Cu in Sintered Nd-Fe-B Magnets: ab initio Study. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3144-3146	2	18
111	Microstructures of (Fe _{0.88} Co _{0.12}) ₈₂ La ₇ Si ₁₁ prepared by arc-melting/melt spinning and subsequent annealing. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 82, 339-343	2.6	18
110	Mössbauer spectroscopy study on the magnetic transition in Mn _{1.1} Fe _{0.9} P _{0.8} Ge _{0.2} . <i>Journal of Applied Physics</i> , 2009 , 105, 07A920	2.5	17
109	Magnetocaloric effect in La(Fe _{0.88} Al _{0.12}) ₁₃ C _x interstitial compounds. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 2469-2474	3	17
108	Peak Effect and the Phase Diagram of Moving Vortices in Fe _x Ni _{1-x} Zr ₂ Superconducting Glasses. <i>Physical Review Letters</i> , 2003 , 91, 127004	7.4	17
107	Structure and magnetic properties of mechanically alloyed SmCo ₇ compound. <i>IEEE Transactions on Magnetics</i> , 1996 , 32, 4380-4382	2	17

106	A new metastable phase in the Nd-Fe-B system. <i>Journal of Applied Physics</i> , 1988 , 64, 5723-5725	2.5	17
105	Mössbauer study of intercalation modified compounds R ₂ Fe ₁₇ (R=Y, Sm). <i>Journal of Applied Physics</i> , 1993 , 73, 6038-6040	2.5	16
104	Structure and magnetic properties of La(Fe _{0.88} Al _{0.12}) ₁₃ C _x interstitial compounds. <i>Journal of Applied Physics</i> , 2004 , 95, 7067-7069	2.5	15
103	The mixing of Fe/Co and its effect on the exchange interaction in SmCo ₅ /Fe nanocomposites: A first-principles study. <i>Journal of Applied Physics</i> , 2012 , 111, 07B526	2.5	13
102	Carbonitrides of R ₂ Fe ₁₇ prepared by gas-solid reaction. <i>Journal of Magnetism and Magnetic Materials</i> , 1993 , 125, 169-176	2.8	13
101	Thermal stability of nanostructured Sm ₂ Fe ₁₇ C _x compounds prepared by ball milling. <i>Journal of Applied Physics</i> , 1996 , 79, 5536	2.5	12
100	Formation of high pressure phases in rapidly quenched Fe-Nd alloys. <i>Journal of Applied Physics</i> , 1990 , 67, 4821-4823	2.5	12
99	Magnetic state and exchange interaction in GdScGe: Ab initio study. <i>Journal of Applied Physics</i> , 2013 , 113, 17E103	2.5	11
98	Exchange interaction in Gd ₂ (T=Fe,Co,Ni) from first-principles. <i>Journal of Applied Physics</i> , 2010 , 107, 09E117	2.5	11
97	Exchange Interaction in Gd ₄ Bi ₃ and Gd From First-Principles Calculations. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3989-3992	2	11
96	Effect of pressure on the itinerant ferromagnet CoS ₂ : A first-principles study. <i>Journal of Applied Physics</i> , 2007 , 101, 09G511	2.5	11
95	Model for predicting atomic substitutions in intermetallic compounds. <i>Journal of Applied Physics</i> , 2000 , 87, 4747-4749	2.5	11
94	Direct determination of cobalt site preferences at infinite dilution in iron-based intermetallic compounds (invited). <i>Journal of Applied Physics</i> , 1990 , 67, 4742-4746	2.5	11
93	Reversible structural relaxation in FeB metallic glasses. <i>Journal of Materials Research</i> , 1987 , 2, 54-58	2.5	11
92	Enhanced Magnetic Properties of Spark Plasma Sintered (La/Ce)FeB Magnets. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-3	2	10
91	Superconductivity and short-range order in metallic glasses Fe _x Ni _{1-x} Zr ₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	10
90	Structural evolution of Fe ₃₃ Zr ₆₇ and Fe ₉₀ Zr ₁₀ metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 604-611	3.9	10
89	Influence of oxygen impurities on the crystallization mechanism of NiZr ₂ metallic glasses. <i>Journal of Applied Physics</i> , 2001 , 89, 2441-2446	2.5	10

88	X-ray-diffraction study of structural relaxation in metallic glasses. <i>Physical Review B</i> , 1995 , 51, 2798-2804.	3.3	10
87	Mössbauer study of the glass transition in a metallic glass. <i>Hyperfine Interactions</i> , 1994 , 94, 2163-2167	0.8	10
86	Local order in amorphous pure iron. <i>Solid State Communications</i> , 1988 , 66, 339-341	1.6	10
85	Thermopower of Fe-Zr metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 1984 , 61-62, 1115-1118	3.9	10
84	The crystallization characteristics of Y-Al metallic glasses. <i>Journal of Materials Science Letters</i> , 1985 , 4, 1005-1009		10
83	First-principles survey on the doping of Ga in Nd ₂ Fe ₁₄ B. <i>Journal of Applied Physics</i> , 2014 , 115, 17A702	2.5	9
82	Exchange interaction in L10-ordered FePt and CoPt from first-principles. <i>Journal of Applied Physics</i> , 2011 , 109, 07B762	2.5	9
81	Magnetocaloric effect in Co-rich Er(Co _{1-x} Fe _x) ₂ Laves phase. <i>Journal of Applied Physics</i> , 2008 , 103, 07B304.	4.5	9
80	Electronic transport properties in amorphous and crystalline FeZr ₂ examined via the density of states. <i>Physical Review B</i> , 2004 , 70,	3.3	9
79	Characteristics of Sm ₂ Fe ₁₇ C _x compounds prepared from ball-milled blends of Sm ₂ Fe ₁₇ and graphite. <i>Journal of Applied Physics</i> , 1996 , 79, 4619	2.5	9
78	Effects of quench rate on the microstructure in melt-spun Nd-Fe-B alloys. <i>Journal of Materials Research</i> , 1991 , 6, 724-730	2.5	9
77	Local structure in amorphous Fe _{1-x} M _x Zr (TM = Co, Ni, Cu) studied by Mössbauer spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 637-641	3.9	8
76	Structural and thermal studies of nitrate glasses. <i>Journal of Non-Crystalline Solids</i> , 1996 , 205-207, 221-224.	3.9	8
75	Consistent partial structure factors for amorphous Ni _{0.33} (Zr _y Hf _{1-y}) _{0.67} using x-ray and neutron diffraction. <i>Physical Review B</i> , 1996 , 53, 8983-8992	3.3	8
74	A simple conversion electron detector for Mössbauer source experiments. <i>Review of Scientific Instruments</i> , 1993 , 64, 679-682	1.7	8
73	Hydrogenation decomposition desorption recombination magnets based on Sm ₂ +Fe ₁₇ M _{0.4} carbonitrides (M=IVB/VB/VIB group elements). <i>Journal of Applied Physics</i> , 1994 , 75, 6012-6014	2.5	8
72	Temperature dependence of magnetocrystalline anisotropy of Sm ₂ Fe ₁₇ C ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 109, 271-274	2.8	8
71	Crystallization of amorphous NiZr ₂ . <i>Materials Science and Engineering</i> , 1988 , 97, 307-311		8

70	The Magnetic and Crystal Structure of MnGa (1.15 & 1.8) Alloys. <i>Scientific Reports</i> , 2017 , 7, 646	4.9	7
69	Structural and Magnetocaloric Properties of MnFeP _{1-x} Si _x Compounds Prepared by Spark Plasma Sintering. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	7
68	A simple method to determine the purity of an inert gas. <i>Review of Scientific Instruments</i> , 1997 , 68, 2438-2441	7	7
67	Nitrogen-induced local magnetic and structural properties of sputtered FeAlN thin films. <i>Journal of Applied Physics</i> , 2003 , 93, 6471-6473	2.5	7
66	Enhancement of superconductivity in relaxed Fe-Zr metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 1996 , 205-207, 692-695	3.9	7
65	Giant Magnetoresistance in Granular Ni ₈₁ Fe ₁₉ /Ag Formed from Annealed Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 313, 405		7
64	Y ₅ Al ₃ ; a new Y-Al compound. <i>Journal of Materials Science</i> , 1987 , 22, 2983-2986	4.3	7
63	The influence of quench temperature on the structure and crystallization of glassy NiZr ₂ . <i>Journal of Non-Crystalline Solids</i> , 1984 , 61-62, 469-474	3.9	7
62	Crystal structure and magnetism of the Mn _x Ga (1.15 & 2.0) rare-earth-free permanent magnet system. <i>AIP Advances</i> , 2016 , 6, 056003	1.5	7
61	First-principles calculation on the Curie temperature of GdFeSi. <i>Journal of Applied Physics</i> , 2010 , 107, 09E103	2.5	6
60	Structure and magnetocaloric effect in the pseudobinary system LaFe ₁₁ Si ₂ /LaFe ₁₁ Al ₂ . <i>Journal of Applied Physics</i> , 2004 , 95, 6924-6926	2.5	6
59	Approaching the theoretical coercivity of Nd ₂ Fe ₁₄ B: Microstructural evaluation and interparticle interactions. <i>Journal of Applied Physics</i> , 2000 , 88, 5311-5314	2.5	6
58	Magnetism and structure of Fe/Cu multilayers studied by low-temperature conversion electron Mössbauer spectroscopy. <i>Journal of Applied Physics</i> , 1999 , 85, 5738-5740	2.5	6
57	Temperature dependence of the resistivity of amorphous Fe ₇₀ Zr alloys. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 786-790	3.9	6
56	Cumulative interface roughness and magnetization in antiferromagnetically coupled NiCo/Cu multilayers. <i>Journal of Applied Physics</i> , 1994 , 76, 7084-7086	2.5	6
55	Mössbauer determination of cobalt substitution in iron-based intermetallics. <i>Journal of Applied Physics</i> , 1991 , 70, 6143-6145	2.5	6
54	Electron-phonon coupling and temperature coefficient of resistivity in Ni-Zr glasses. <i>Journal of Non-Crystalline Solids</i> , 1984 , 61-62, 1185-1188	3.9	6
53	The Fe substitution in Nd ₂ (Fe,M) ₁₄ B (M = Si, Ge and Sn): A first-principles study. <i>Computational Materials Science</i> , 2014 , 85, 186-192	3.2	5

52	Effect of Fe partial substitution for Co on the magnetic properties of Y(Co,Fe) ₅ from first-principles. <i>Journal of Applied Physics</i> , 2010 , 107, 09A718	2.5	5
51	Co magnetism and the order of the magnetic transition in Er _{1-x} Gd _x Co ₂ Laves phases. <i>Journal of Applied Physics</i> , 2006 , 99, 08F709	2.5	5
50	Pressure dependence of superconductivity in amorphous Zr _x Ni _{100-x} alloys. <i>Physical Review B</i> , 1989 , 39, 4677-4679	3.3	5
49	PRESSURE DEPENDENCE OF THE RESISTIVITY OF AMORPHOUS NiZr ALLOYS 1985 , 1083-1086		5
48	Experimental and first-principles determination of the magnetocrystalline anisotropy in Mn _x Ga. <i>AIP Advances</i> , 2017 , 7, 056216	1.5	4
47	Volume dependence of the exchange interaction and Curie temperature in Co ₂ MGa (M = Ti and Fe): A first-principles study. <i>Journal of Applied Physics</i> , 2011 , 109, 07B108	2.5	4
46	Transport properties of isostructural Ni-Zr-Hf metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 226-228, 1042-1044	5.3	4
45	Atomic volumes and magnetic properties of melt-quenched (Zr, Hf) ₁₀ (Fe, Co, Ni) ₉₀ type metastable alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 226-228, 641-645	5.3	4
44	Influence of the Interfaces on Magnetic Properties of Fe/Ag and Fe/Cu Multilayers Prepared by Sputtering. <i>Hyperfine Interactions</i> , 2002 , 144/145, 141-149	0.8	4
43	The glass transition in Zr ₆₇ (Ni _{1-x} Cu _x) metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 1996 , 205-207, 476-479	3.9	4
42	X-ray structural studies of nitrogen diffusion in Dy ₂ Fe ₁₇ . <i>Journal of Applied Physics</i> , 1994 , 76, 6038-6040	2.5	4
41	The irreversible structural change in Mn _{1.1} Fe _{0.9} P _{0.8} Ge _{0.2} : Evidence for a magnetic driver. <i>AIP Advances</i> , 2017 , 7, 056407	1.5	3
40	Disorder-Induced Enhancement of Magnetic Properties in Ball-Milled Fe ₂ CrAl Alloy. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	3
39	Local magnetization fluctuations in superconducting glasses resolved by Hall sensors. <i>Physical Review B</i> , 2009 , 79,	3.3	3
38	Magnetic properties of Nd ₅ Si ₆ Sn ₄ . <i>Journal of Applied Physics</i> , 2003 , 93, 8304-8306	2.5	3
37	Spin wave excitations in Fe/Cu multilayers as a function of its parameters. <i>Journal of Applied Physics</i> , 2000 , 87, 6591-6593	2.5	3
36	Phase transformation in ball-milled iron-rich SmBe(C) powders. <i>Journal of Materials Research</i> , 1999 , 14, 750-762	2.5	3
35	The effects of group IV B/V B/VI B additions on the magnetic properties of Sm ₂ +Fe ₁₇ carbonitrides. <i>Journal of Applied Physics</i> , 1994 , 75, 5997-5999	2.5	3

34	Structure of sputtered and melt-spun Ni-Zr glassy metals. <i>Physical Review B</i> , 1994 , 50, 9098-9101	3.3	3
33	A TEM study of the microstructures formed during the crystallization of Ni ₂ Zr metallic glasses. <i>Journal of Materials Research</i> , 1991 , 6, 755-759	2.5	3
32	Reply to Comment on Crystallization characteristics of late transition metal-Zr glasses around the composition M ₉₀ Zr ₁₀ [J. Appl. Phys. 59, 2364 (1986)]. <i>Journal of Applied Physics</i> , 1986 , 60, 4334-4335	2.5	3
31	Magnetostructural transition in Nd ₅ Si _{2.335} Ge _{1.665} . <i>Journal of Applied Physics</i> , 2008 , 103, 07B330	2.5	2
30	Formation, structure and hard magnetic properties of Sm ₂ Fe ₁₇ Co _x Cy compounds. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 3315-3322	1.8	2
29	. <i>IEEE Transactions on Magnetics</i> , 1996 , 32, 4413-4418	2	2
28	Formation of Nd(Fe _{1-x} Co _x) ₂ in rapidly quenched Nd _{13.75} (Fe _{1-x} Co _x) _{80.25} B ₆ (x=0-0.5) alloys. <i>Journal of Applied Physics</i> , 1996 , 79, 4833	2.5	2
27	Electronic properties of icosahedral Al _{63.5} Cu _{24.5} Fe ₁₂ . <i>Journal of Non-Crystalline Solids</i> , 1993 , 153-154, 343-346	3.9	2
26	Structural relaxation of metallic glasses studied by Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 1994 , 94, 2169-2174	0.8	2
25	Polytypic phase formation in DyAl ₃ by rapid solidification. <i>Applied Physics Letters</i> , 1991 , 58, 125-127	3.4	2
24	Hydrogen in Ni-Zr Metallic Glasses. <i>NATO ASI Series Series B: Physics</i> , 1986 , 203-213		2
23	THE INFLUENCE OF MELT TEMPERATURE AND QUENCH RATE ON NI-ZR METALLIC GLASSES 1985 , 447-450		2
22	Effect of ingot cooling rate on Cu distribution and magnetic properties of Sm(Co _{0.28} Fe _{0.07} Zr _{0.03}) _{7.6} magnets. <i>AIP Advances</i> , 2019 , 9, 125142	1.5	2
21	Moment variation in Er(Co _{1-x} Fe _x) ₂ Laves phase: Magnetic measurements and Mössbauer spectroscopy study. <i>Journal of Applied Physics</i> , 2009 , 105, 07E119	2.5	1
20	Aligned Sm ₂ Fe ₁₇ M _{1-x} C _x N _y (M=metal) magnet produced by post-sintering-gas-solid reaction. <i>Journal of Applied Physics</i> , 1997 , 81, 4557-4559	2.5	1
19	Nitriding of coarse powders of Sm ₂ Fe ₁₇ based carbides. <i>Journal of Applied Physics</i> , 1997 , 81, 4560-4562	2.5	1
18	Structural and Magnetoresistance Studies of Ni/Co Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 475, 475		1
17	Anisotropic sintered Sm ₂ (Fe,M) ₁₇ N _x magnets made by rotational alignment. <i>Applied Physics Letters</i> , 1997 , 70, 1176-1178	3.4	1

16	Formation and magnetic properties of TbCu ₇ -type RFe ₇ compounds and their nitrides (R=Tb and Dy). <i>Journal of Applied Physics</i> , 1997 , 81, 5106-5108	2.5	1
15	Ruthenium nano-oxide layer in CoFe-Ru-CoFe trilayer system: An x-ray reflectivity study. <i>Journal of Applied Physics</i> , 2008 , 103, 094904	2.5	1
14	Magnetic states of Gd ₂ Co ₂ Al and Gd ₂ Co ₂ Ga with the W ₂ Co ₂ B-type structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 307, 165-169	2.8	1
13	Nd Rich Nd-Fe-B Tailored for Maximum Coercivity. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 577, 247		1
12	Bulk anisotropic magnet of Sm ₂ Fe ₁₇ type produced from the carbide by gas-solid reaction after sintering. <i>Journal of Applied Physics</i> , 1996 , 80, 6559-6560	2.5	1
11	Structural Studies and Magnetotransport Properties of Sputtered Ni/Co Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 384, 359		1
10	Structural Relaxation in Fe-B Glasses. <i>Materials Research Society Symposia Proceedings</i> , 1985 , 58, 81		1
9	Comments on Structure origin of a transition of classic-to-avalanche nucleation in Zr-Cu-Al bulk metallic glasses. <i>Scripta Materialia</i> , 2019 , 163, 166-167	5.6	1
8	Exchange interaction in hexagonal MnRhP from first-principles studies. <i>Journal of Applied Physics</i> , 2014 , 115, 17E112	2.5	0
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5	Stable and metastable phases in NdBe binary alloys. <i>Hyperfine Interactions</i> , 1990 , 55, 1027-1030	0.8	
4	Reversible Structural Relaxation in Fe-Ni-B-Si Metallic Glasses. <i>Materials Research Society Symposia Proceedings</i> , 1986 , 80, 443		
3	Composition and temperature dependence of coercivity of Nd-Fe-B alloys crystallized from the amorphous state (abstract). <i>Journal of Applied Physics</i> , 1988 , 64, 5552-5552	2.5	
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