

Z Altounian

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.

159
papers

3,645
citations

32
h-index

55
g-index

163
ext. papers

3,790
ext. citations

2.8
avg, IF

4.85
L-index

#	Paper	IF	Citations
159	Magnetostructural transitions in V-doped MnCoGe compounds. <i>AIP Advances</i> , 2020 , 10, 025325	1.5	
158	Effect of ingot cooling rate on Cu distribution and magnetic properties of Sm(Co _{0.28} Fe _{0.72} Cu _{0.07} Zr _{0.03}) _{7.6} magnets. <i>AIP Advances</i> , 2019 , 9, 125142	1.5	2
157	Comments on the 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
156	Enhanced Magnetic Properties of Spark Plasma Sintered (La/Ce)FeB Magnets. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-3	2	10
155	The Magnetic and Crystal Structure of MnGa (1.15 to 1.8) Alloys. <i>Scientific Reports</i> , 2017 , 7, 646	4.9	7
154	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
153	Experimental and first-principles determination of the magnetocrystalline anisotropy in Mn _x Ga. <i>AIP Advances</i> , 2017 , 7, 056216	1.5	4
152	Crystal structure and magnetism of the Mn _x Ga (1.15 to 2.0) rare-earth-free permanent magnet system. <i>AIP Advances</i> , 2016 , 6, 056003	1.5	7
151	Intrinsic magnetic properties of single-phase Mn(1+x)Ga (0. <i>Scientific Reports</i> , 2015 , 5, 17086	4.9	39
150	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
149	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
148	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
147	Exchange interaction in hexagonal MnRhP from first-principles studies. <i>Journal of Applied Physics</i> , 2014 , 115, 17E112	2.5	0
146	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
145	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
144	Magnetic state and exchange interaction in GdScGe: Ab initio study. <i>Journal of Applied Physics</i> , 2013 , 113, 17E103	2.5	11
143	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

142	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
141	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
140	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
139	Exchange interaction in L1 ₀ -ordered FePt and CoPt from first-principles. <i>Journal of Applied Physics</i> , 2011 , 109, 07B762	2.5	9
138	First-principles calculation on the Curie temperature of GdFeSi. <i>Journal of Applied Physics</i> , 2010 , 107, 09E103	2.5	6
137	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
136	Exchange interaction in GdT ₂ (T=Fe,Co,Ni) from first-principles. <i>Journal of Applied Physics</i> , 2010 , 107, 09E117	2.5	11
135	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
134	Local magnetization fluctuations in superconducting glasses resolved by Hall sensors. <i>Physical Review B</i> , 2009 , 79,	3.3	3
133	A first-principles study on the magnetocaloric compound MnFe ₂ BSi ₁₁ . <i>Journal of Applied Physics</i> , 2009 , 105, 07A902	2.5	19
132	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
131	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
130	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
129	Magnetocaloric effect in Co-rich Er(Co _{1-x} Fe _x) ₂ Laves phase. <i>Journal of Applied Physics</i> , 2008 , 103, 07B304.5	2.5	9
128	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
127	Magnetostructural transition in Nd ₅ Si _{2.335} Ge _{1.665} . <i>Journal of Applied Physics</i> , 2008 , 103, 07B330	2.5	2
126	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
125	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

124	Co magnetism and the order of the magnetic transition in $\text{Er}_{1-x}\text{Gd}_x\text{Co}_2$ Laves phases. <i>Journal of Applied Physics</i> , 2006 , 99, 08F709	2.5	5
123	Magnetocaloric effect in Mn_5Ge_3 -Six pseudobinary compounds. <i>Journal of Applied Physics</i> , 2006 , 99, 08Q101	2.5	22
122	Magnetic states of $\text{Gd}_2\text{Co}_2\text{Al}$ and $\text{Gd}_2\text{Co}_2\text{Ga}$ with the $\text{W}_2\text{Co}_2\text{B}$ -type structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 307, 165-169	2.8	1
121	Microstructures of $(\text{Fe}_{0.88}\text{Co}_{0.12})_{82}\text{La}_7\text{Si}_{11}$ 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
120	Structural evolution of $\text{Fe}_{33}\text{Zr}_{67}$ and $\text{Fe}_{90}\text{Zr}_{10}$ metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 604-611	3.9	10
119	Phase formation and structure in rapidly quenched alloys. <i>Journal of Alloys and Compounds</i> , 2005 , 397, 120-125	5.7	37
118	Magnetocaloric effect in pseudobinary compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 292, 83-88	2.8	73
117	Phase formation and magnetocaloric effect in rapidly quenched $\text{La}(\text{Fe}_{1-x}\text{Co}_x)_{11.4}\text{Si}_{1.6}$. <i>Journal of Applied Physics</i> , 2005 , 98, 113904	2.5	29
116	The structure and large magnetocaloric effect in rapidly quenched $\text{LaFe}_{11.4}\text{Si}_{1.6}$ compound. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 8043-8051	1.8	41
115	Structure and magnetic properties of $\text{La}(\text{Fe}_{0.88}\text{Al}_{0.12})_{13}\text{C}_x$ interstitial compounds. <i>Journal of Applied Physics</i> , 2004 , 95, 7067-7069	2.5	15
114	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
113	Magnetocaloric effect in $\text{La}(\text{Fe}_{0.88}\text{Al}_{0.12})_{13}\text{C}_x$ interstitial compounds. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 2469-2474	3	17
112	The order of magnetic phase transition in $\text{La}(\text{Fe}_{1-x}\text{Co}_x)_{11.4}\text{Si}_{1.6}$ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 270, 305-311	2.8	57
111	Structure and magnetocaloric effect in the pseudobinary system $\text{LaFe}_{11}\text{Si}_2$ - $\text{LaFe}_{11}\text{Al}_2$. <i>Journal of Applied Physics</i> , 2004 , 95, 6924-6926	2.5	6
110	Structure and magnetic transition of $\text{LaFe}_{13-x}\text{Six}$ compounds. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 7385-7394	1.8	46
109	Formation, structure and hard magnetic properties of $\text{Sm}_2\text{Fe}_{17-x}\text{Co}_x\text{Cy}$ compounds. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 3315-3322	1.8	2
108	Magnetic properties of $\text{Nd}_5\text{SixSn}_4$. <i>Journal of Applied Physics</i> , 2003 , 93, 8304-8306	2.5	3
107	Effect of Co content on magnetic entropy change and structure of $\text{La}(\text{Fe}_{1-x}\text{Co}_x)_{11.4}\text{Si}_{1.6}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 264, 209-213	2.8	67

106	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
105	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
104	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
103	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
102	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
101	Nanocomposite Nd-rich NdFeB alloys: Approaching ideal Stoner-Wohlfarth type behavior. <i>Applied Physics Letters</i> , 2000 , 76, 1746-1748	3.4	37
100	Model for predicting atomic substitutions in intermetallic compounds. <i>Journal of Applied Physics</i> , 2000 , 87, 4747-4749	2.5	11
99	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
98	Phase transformation in ball-milled iron-rich SmFe ₁₇ powders. <i>Journal of Materials Research</i> , 1999 , 14, 750-762	2.5	3
97	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
96	Local structure in amorphous Fe ₁₇ M ₂ Zr (TM = Co, Ni, Cu) studied by Mössbauer spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 637-641	3.9	8
95	Temperature dependence of the resistivity of amorphous Fe ₁₇ Co ₂ Zr alloys. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 786-790	3.9	6
94	Nd Rich Nd-Fe-B Tailored for Maximum Coercivity. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 577, 247		1
93	Aligned Sm ₂ Fe ₁₇ M ₂ 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
92	Nitriding of coarse powders of Sm ₂ Fe ₁₇ based carbides. <i>Journal of Applied Physics</i> , 1997 , 81, 4560-4562	2.5	1
91	A simple method to determine the purity of an inert gas. <i>Review of Scientific Instruments</i> , 1997 , 68, 2438-2441	2.4	7
90	Structural and Magnetoresistance Studies of Ni/Co Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 475, 475		1
89	Structural and magnetic properties of Nd ₂ Fe ₁₇ Cr ₂ (x=0, 0.5, 1, 1.9). <i>Journal of Applied Physics</i> , 1997 , 81, 5118-5120	2.5	25

88	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
87	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
86	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
85	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
84	Structural and thermal studies of nitrate glasses. <i>Journal of Non-Crystalline Solids</i> , 1996 , 205-207, 221-224	4.9	8
83	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
82	Enhancement of superconductivity in relaxed Fe-Zr metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 1996 , 205-207, 692-695	3.9	7
81	Structure and magnetic properties of mechanically alloyed SmCo ₇ compound. <i>IEEE Transactions on Magnetics</i> , 1996 , 32, 4380-4382	2	17
80	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
79	. <i>IEEE Transactions on Magnetics</i> , 1996 , 32, 4413-4418	2	2
78	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
77	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
76	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
75	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
74	X-ray-diffraction study of structural relaxation in metallic glasses. <i>Physical Review B</i> , 1995 , 51, 2798-2804	4.3	10
73	Structural Studies of Sputtered Ni ₈₀ Co ₂₀ /Cu Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 382, 197		0
72	Structural Studies and Magnetotransport Properties of Sputtered Ni/Co Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 384, 359		1
71	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

70	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
69	Cumulative interface roughness and magnetization in antiferromagnetically coupled NiCo/Cu multilayers. <i>Journal of Applied Physics</i> , 1994 , 76, 7084-7086	2.5	6
68	Structure of sputtered and melt-spun Ni-Zr glassy metals. <i>Physical Review B</i> , 1994 , 50, 9098-9101	3.3	3
67	Effects of spin fluctuations on the resistivity of metallic glasses. <i>Physical Review B</i> , 1994 , 49, 8621-8626	3.3	20
66	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
65	Mössbauer study of the glass transition in a metallic glass. <i>Hyperfine Interactions</i> , 1994 , 94, 2163-2167	0.8	10
64	Structural relaxation of metallic glasses studied by Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 1994 , 94, 2169-2174	0.8	2
63	Formation, structure, and crystallization of Al-rich metallic glasses. <i>Journal of Applied Physics</i> , 1994 , 75, 4438-4441	2.5	43
62	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
61	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
60	A simple conversion electron detector for Mössbauer source experiments. <i>Review of Scientific Instruments</i> , 1993 , 64, 679-682	1.7	8
59	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
58	Temperature dependence of coercivity in MnBi. <i>Journal of Applied Physics</i> , 1993 , 73, 6275-6277	2.5	59
57	Giant Magnetoresistance in Granular Ni ₈₁ Fe ₁₉ /Ag Formed from Annealed Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 313, 405		7
56	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
55	Structure and magnetic properties of R ₂ Fe ₁₇ C _x (x~2.5). <i>Applied Physics Letters</i> , 1992 , 60, 129-131	3.4	73
54	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
53	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

52	Formation of MnBi ferromagnetic phases through crystallization of the amorphous phase. <i>Journal of Applied Physics</i> , 1991 , 69, 6067-6069	2.5	42
51	Mössbauer determination of cobalt substitution in iron-based intermetallics. <i>Journal of Applied Physics</i> , 1991 , 70, 6143-6145	2.5	6
50	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
49	Effects of quench rate on the microstructure in melt-spun NdFeB alloys. <i>Journal of Materials Research</i> , 1991 , 6, 724-730	2.5	9
48	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
47	Polytypic phase formation in DyAl ₃ by rapid solidification. <i>Applied Physics Letters</i> , 1991 , 58, 125-127	3.4	2
46	Stable and metastable phases in NdFe binary alloys. <i>Hyperfine Interactions</i> , 1990 , 55, 1027-1030	0.8	
45	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
44	Formation of high pressure phases in rapidly quenched Fe-Nd alloys. <i>Journal of Applied Physics</i> , 1990 , 67, 4821-4823	2.5	12
43	The formation of single-phase equiatomic MnBi by rapid solidification. <i>Journal of Materials Research</i> , 1990 , 5, 2646-2651	2.5	63
42	Pressure dependence of superconductivity in amorphous Zr _x Ni _{100-x} alloys. <i>Physical Review B</i> , 1989 , 39, 4677-4679	3.3	5
41	Formation, crystallization, and magnetic properties of Nd-Fe-B glasses. <i>Journal of Applied Physics</i> , 1989 , 66, 768-771	2.5	32
40	Local order in amorphous pure iron. <i>Solid State Communications</i> , 1988 , 66, 339-341	1.6	10
39	Crystallization of amorphous NiZr ₂ . <i>Materials Science and Engineering</i> , 1988 , 97, 307-311		8
38	A comparison between the thermal properties of NiZr amorphous alloys obtained by mechanical alloying and melt-spinning. <i>Materials Science and Engineering</i> , 1988 , 97, 317-320		33
37	Reversible structural relaxation in metallic glasses. <i>Materials Science and Engineering</i> , 1988 , 97, 461-468		26
36	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	
35	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

34	A new metastable phase in the Nd-Fe-B system. <i>Journal of Applied Physics</i> , 1988 , 64, 5723-5725	2.5	17
33	A Comparison between the Thermal Properties of NiZr Amorphous Alloys Obtained by Mechanical Alloying and Melt-Spinning 1988 , 317-320		
32	Crystallization of Amorphous NiZr2 1988 , 307-311		
31	Reversible structural relaxation in FeB metallic glasses. <i>Journal of Materials Research</i> , 1987 , 2, 54-58	2.5	11
30	The influence of oxygen and other impurities on the crystallization of NiZr2 and related metallic glasses. <i>Journal of Applied Physics</i> , 1987 , 61, 149-155	2.5	165
29	Reversible structural relaxation in Fe-Ni-B-Si metallic glasses. <i>Journal of Applied Physics</i> , 1987 , 62, 3633-3638		32
28	Magnetic properties of iron-rich Fe-Zr glasses. <i>Physical Review B</i> , 1987 , 35, 8630-8638	3.3	243
27	Y5Al3; a new Y-Al compound. <i>Journal of Materials Science</i> , 1987 , 22, 2983-2986	4.3	7
26	Reversible Structural Relaxation in Fe-Ni-B-Si Metallic Glasses. <i>Materials Research Society Symposia Proceedings</i> , 1986 , 80, 443		
25	Reply to Comment on Crystallization characteristics of late transition metal-Zr glasses around the composition M90Zr10 [J. Appl. Phys. 59, 2364 (1986)]. <i>Journal of Applied Physics</i> , 1986 , 60, 4334-4335	2.5	3
24	Crystallization characteristics of late transition metal-Zr glasses around the composition M90Zr10. <i>Journal of Applied Physics</i> , 1986 , 59, 2364-2367	2.5	75
23	Hydrogen in amorphous NiZr: Pressure concentration isotherms, site occupation, and binding energies. <i>Journal of Materials Research</i> , 1986 , 1, 765-773	2.5	36
22	Hydrogen in Ni-Zr Metallic Glasses. <i>NATO ASI Series Series B: Physics</i> , 1986 , 203-213		2
21	Structural Relaxation in Fe-B Glasses. <i>Materials Research Society Symposia Proceedings</i> , 1985 , 58, 81		1
20	The crystallization characteristics of Y-Al metallic glasses. <i>Journal of Materials Science Letters</i> , 1985 , 4, 1005-1009		10
19	Spin-fluctuation effects in the resistivity of Fe-Zr metallic glasses. <i>Physical Review B</i> , 1985 , 31, 6116-6118	3.3	26
18	Crystallization characteristics of Co-Zr metallic glasses from Co52Zr48 to Co20Zr80. <i>Journal of Applied Physics</i> , 1985 , 58, 1192-1195	2.5	48
17	Crystallization characteristics of Fe-Zr metallic glasses from Fe43Zr57 to Fe20Zr80. <i>Journal of Applied Physics</i> , 1985 , 57, 1777-1782	2.5	84

16	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
15	PRESSURE DEPENDENCE OF THE RESISTIVITY OF AMORPHOUS NiZr ALLOYS 1985 , 1083-1086		5
14	THE INFLUENCE OF MELT TEMPERATURE AND QUENCH RATE ON NI-ZR METALLIC GLASSES 1985 , 447-450		2
13	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
12	Thermopower of Fe-Zr metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 1984 , 61-62, 1115-1118	3.9	10
11	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
10	A search for phase separation in amorphous NiZr ₂ . <i>Journal of Applied Physics</i> , 1984 , 55, 1566-1571	2.5	24
9	Thermopower and resistivity in amorphous Cu _{1-x} Zr _x alloys. <i>Physical Review B</i> , 1983 , 27, 619-623	3.3	25
8	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
7	Superconductivity and spin fluctuations in M _x Zr metallic glasses (M=Cu,Ni,Co,andFe). <i>Physical Review B</i> , 1983 , 27, 4149-4156	3.3	269
6	Thermoelectric power of Ni-Zr metal glasses. <i>Physical Review B</i> , 1983 , 27, 1955-1958	3.3	48
5	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
4	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
3	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
2	Crystallization of amorphous CuZr ₂ . <i>Physical Review B</i> , 1981 , 24, 505-509	3.3	37
1	Superconductivity, magnetic susceptibility and thermal relaxation in amorphous Cu _z Zr. <i>Solid State Communications</i> , 1981 , 40, 221-224	1.6	40