

# Javier S Blzquez

## 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.

130 papers	4,204 citations	24 h-index	62 g-index
132 ext. papers	4,784 ext. citations	4.1 avg, IF	5.58 L-index

#	Paper	IF	Citations
130	Comparative study of structural and magnetic properties of ribbon and bulk Ni <sub>55</sub> Fe <sub>19</sub> Ga <sub>26</sub> Heusler alloy. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 889, 161819	5.7	0
129	Kinetic Analysis of the Transformation from 14M Martensite to L21 Austenite in Ni-Fe-Ga Melt Spun Ribbons. <i>Metals</i> , <b>2021</b> , 11, 849	2.3	2
128	Combined kinetic and Bean-Rodbell approach for describing field-induced transitions in LaFe <sub>11.6</sub> Si <sub>1.4</sub> alloys. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 135003	3	2
127	Thermo-magnetic characterization of phase transitions in a Ni-Mn-In metamagnetic shape memory alloy. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 887, 161395	5.7	1
126	Obtaining magnetocaloric MnCo(Fe)Ge intermetallics from low temperature treatment of mechanically alloyed precursors. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 514, 167127	2.8	1
125	Effect of pressure on the phase stability and magnetostructural transitions in nickel-rich NiFeGa ribbons. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 844, 156092	5.7	3
124	Correction to A procedure to obtain the parameters of curie temperature distribution from thermomagnetic and magnetocaloric data originally published as J. non-cryst. solids 520, 119,460 (2019). <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 538, 120047	3.9	1
123	Distribution of Transition Temperatures in Magnetic Transformations: Sources, Effects and Procedures to Extract Information from Experimental Data. <i>Metals</i> , <b>2020</b> , 10, 226	2.3	2
122	Study of the kinetics and products of the devitrification process of mechanically amorphized Fe <sub>70</sub> Zr <sub>30</sub> alloy. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 825, 154021	5.7	2
121	Influence of Milling Time on the Homogeneity and Magnetism of a FeZr Partially Amorphous Alloy: Distribution of Curie Temperatures. <i>Materials</i> , <b>2020</b> , 13,	3.5	1
120	Devitrification of Mechanically Alloyed Fe-Nb System: Mössbauer Study of the Intermetallic Phases. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2020</b> , 51, 1395-1401	2.3	1
119	Milling effects on the distribution of Curie temperatures and magnetic properties of Ni-doped La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> compounds. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 848, 156566	5.7	4
118	Mechanical Amorphization and Recrystallization of Mn-Co(Fe)-Ge(Si) Compositions. <i>Metals</i> , <b>2019</b> , 9, 534	2.3	2
117	A procedure to obtain the parameters of Curie temperature distribution from thermomagnetic and magnetocaloric data. <i>Journal of Non-Crystalline Solids</i> , <b>2019</b> , 520, 119460	3.9	7
116	Evolution of Fe environments and phase composition during mechanical amorphization of Fe <sub>70</sub> Zr <sub>30</sub> and Fe <sub>70</sub> Nb <sub>30</sub> alloys. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 494, 78-85	3.9	10
115	Correction of the shape effect on magnetic entropy change in ball milled Fe <sub>70</sub> Zr <sub>30</sub> alloys. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 765, 437-443	5.7	7
114	On the Use of JMAK Theory to Describe Mechanical Amorphization: A Comparison between Experiments, Numerical Solutions and Simulations. <i>Metals</i> , <b>2018</b> , 8, 450	2.3	9

113	Magnetocaloric effect: From materials research to refrigeration devices. <i>Progress in Materials Science</i> , <b>2018</b> , 93, 112-232	42.2	592
112	Grinding and particle size selection as a procedure to enhance the magnetocaloric response of La(Fe,Si) <sub>13</sub> bulk samples. <i>Intermetallics</i> , <b>2017</b> , 84, 30-34	3.5	11
111	Ball milling as a way to produce magnetic and magnetocaloric materials: a review. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 11834-11850	4.3	29
110	Mechanochemistry of copper sulphides: phase interchanges during milling. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 11947-11961	4.3	12
109	Study of phases evolution in high-coercive MnAl powders obtained through short milling time of gas-atomized particles. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 712, 373-378	5.7	21
108	Time evolution of mechanical amorphization: A kinetic model. <i>Scripta Materialia</i> , <b>2017</b> , 130, 260-263	5.6	3
107	Optimal temperature range for determining magnetocaloric magnitudes from heat capacity. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 495001	3	7
106	Study of the Induced Anisotropy in Field Annealed Hitperm Alloys by Mössbauer Spectroscopy and Kerr Microscopy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2016</b> , 47, 4301-4305	2.3	2
105	Anisotropy field distribution in soft magnetic Hitperm alloys submitted to different field annealing processes. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 658, 367-371	5.7	6
104	Nanocrystallization kinetics understood as multiple microprocesses following the classical theory of crystallization. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 675, 81-85	5.7	6
103	Gd+GdZn biphasic magnetic composites synthesized in a single preparation step: Increasing refrigerant capacity without decreasing magnetic entropy change. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 675, 244-247	5.7	22
102	Magnetocaloric response of amorphous and nanocrystalline Cr-containing Vitroperm-type alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 409, 56-61	2.8	12
101	A New Method for Determining the Curie Temperature From Magnetocaloric Measurements. <i>IEEE Magnetism Letters</i> , <b>2016</b> , 7, 1-4	1.6	9
100	A unified approach to describe the thermal and magnetic hysteresis in Heusler alloys. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 122410	3.4	9
99	Influence of hot compaction on microstructure and magnetic properties of mechanically alloyed Fe(Co)-based amorphous compositions. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 653, 546-551	5.7	5
98	Effect of Fe impurities on the field dependence of magnetocaloric response in LaFe <sub>11.5</sub> Si <sub>1.5</sub> . <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 646, 101-105	5.7	14
97	On the use of classical JMAK crystallization kinetic theory to describe simultaneous processes leading to the formation of different phases in metals. <i>International Journal of Thermal Sciences</i> , <b>2015</b> , 88, 1-6	4.1	11
96	Analysis of the Magnetocaloric Effect in Powder Samples Obtained by Ball Milling. <i>Metallurgical and Materials Transactions E</i> , <b>2015</b> , 2, 131-138		6

95	Analysis of magnetocaloric effect of ball milled amorphous alloys: Demagnetizing factor and Curie temperature distribution. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 606-609	5.7	17
94	Influence of microstructure on the enhancement of soft magnetic character and the induced anisotropy of field annealed HITPERM-type alloys. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17A301	2.5	8
93	Enhanced cryogenic magnetocaloric effect in Eu <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> clathrate nanocrystals. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 033903	2.5	9
92	Magnetocaloric effect of Co <sub>62</sub> Nb <sub>6</sub> Zr <sub>2</sub> B <sub>30</sub> amorphous alloys obtained by mechanical alloying or rapid quenching. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17A302	2.5	22
91	Amorphization and evolution of magnetic properties during mechanical alloying of Co <sub>62</sub> Nb <sub>6</sub> Zr <sub>2</sub> B <sub>30</sub> : Dependence on starting boron microstructure. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 585, 485-490	5.7	16
90	Crystallization kinetics and soft magnetic properties in metalloid-free (Fe, Co) <sub>90</sub> Zr <sub>10</sub> amorphous and nanocrystalline alloys. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, S213-S216	5.7	4
89	Influence of the demagnetizing factor on the magnetocaloric effect: Critical scaling and numerical simulations. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 252405	3.4	25
88	A procedure to extract the magnetocaloric parameters of the single phases from experimental data of a multiphase system. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 172405	3.4	7
87	Structural relaxation in Fe(Co)SiAlGaPCB amorphous alloys. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 584, 607-610	5.7	5
86	Extracting the composition of nanocrystals of mechanically alloyed systems using Mössbauer spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 610, 92-99	5.7	6
85	Evolution of Fe environments in mechanically alloyed FeNb(B) compositions. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, S555-S558	5.7	2
84	Relationship between mechanical amorphization and boron integration during processing of FeNbB alloys. <i>Intermetallics</i> , <b>2014</b> , 49, 98-105	3.5	11
83	Milling effects on magnetic properties of melt spun Fe-Nb-B alloy. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17B518	2.5	5
82	Metastable Soft Magnetic Materials Produced by Mechanical Alloying: Analysis Using an Equivalent Time Approach. <i>Jom</i> , <b>2013</b> , 65, 870-882	2.1	11
81	Role of starting phase of boron on the mechanical alloying of FeNbB composition. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 553, 119-124	5.7	13
80	The use of amorphous boron powder enhances mechanical alloying in soft magnetic FeNbB alloy: A magnetic study. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17A330	2.5	2
79	Extension of the classical theory of crystallization to non-isothermal regimes: Application to nanocrystallization processes. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 544, 73-81	5.7	17
78	Analysis of nanocrystallization kinetics and crystal size distribution under limited growth approach. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 536, S550-S553	5.7	1

77	Enhancement of the magnetocaloric effect in composites: Experimental validation. <i>Solid State Communications</i> , <b>2012</b> , 152, 1590-1594	1.6	51
76	The Magnetocaloric Effect and Magnetic Refrigeration Near Room Temperature: Materials and Models. <i>Annual Review of Materials Research</i> , <b>2012</b> , 42, 305-342	12.8	753
75	Enhancement of the magnetic refrigerant capacity in partially amorphous Fe <sub>70</sub> Zr <sub>30</sub> powders obtained by mechanical alloying. <i>Intermetallics</i> , <b>2012</b> , 26, 52-56	3.5	10
74	Comparison of equivalent ball milling processes on Fe <sub>70</sub> Zr <sub>30</sub> and Fe <sub>70</sub> Nb <sub>30</sub> . <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 536, S9-S12	5.7	6
73	Magnetic and structural characterization of Mo-Hitperm alloys with different Fe/Co ratio. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 1994-2000	5.7	18
72	Two milling time regimes in the evolution of magnetic anisotropy of mechanically alloyed soft magnetic powders. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 1407-1410	5.7	8
71	Cellular automata simulations on nanocrystallization processes: From instantaneous growth approximation to limited growth. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 2833-2839	3.9	8
70	Structure and magnetic properties of Fe <sub>80</sub> Nb <sub>20</sub> amorphous/nanocrystalline alloys produced by compaction of mechanically alloyed powders. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 073901	2.5	7
69	Mechanical amorphization of Fe <sub>75</sub> Nb <sub>10</sub> B <sub>15</sub> powder: Microstructural and magnetic characterization. <i>Intermetallics</i> , <b>2010</b> , 18, 565-568	3.5	9
68	Influence of Co addition on the magnetic properties and magnetocaloric effect of Nanoperm (Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>75</sub> Nb <sub>10</sub> B <sub>15</sub> type alloys prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 496, 7-12	5.7	26
67	Microstructural characterization by TEM techniques of mechanically alloyed FeNbGe powders. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 505, 86-90	5.7	4
66	Nucleation rate and nanocrystallization of Co <sub>60</sub> (Fe, Mn) <sub>18</sub> Nb <sub>6</sub> B <sub>16</sub> amorphous alloys in the frame of instantaneous growth approximation. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 505, 91-95	5.7	5
65	Thermal stability of a supersaturated Fe-Ge-Nb solid solution produced by ball milling. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 217, 012083	0.3	
64	Nanocrystallization kinetics under instantaneous growth approximation: Experiments and cellular automata simulations. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2010</b> , 207, 1148-1153	1.6	7
63	Correlation between microstructure and temperature dependence of magnetic properties in Fe <sub>60</sub> Co <sub>18</sub> (Nb,Zr) <sub>6</sub> B <sub>15</sub> Cu <sub>1</sub> alloy series. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 093928	2.5	11
62	Preferential Co partitioning to Fe in nanocrystalline CoFeNbB alloys by Mn addition. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 109-113	3.9	10
61	Supersaturated solid solution obtained by mechanical alloying of 75% Fe, 20% Ge and 5% Nb mixture at different milling intensities. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 469, 169-178	5.7	14
60	Specific heat measurements on amorphous and nanocrystalline Al <sub>88</sub> Y <sub>5</sub> Ni <sub>5</sub> Co <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 478, 19-21	5.7	

59	Magnetocaloric response of Fe <sub>75</sub> Nb <sub>10</sub> B <sub>15</sub> powders partially amorphized by ball milling. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 123922	2.5	38
58	Microstructural evolution characterization of Fe-Nb-B ternary systems processed by ball milling. <i>Philosophical Magazine</i> , <b>2009</b> , 89, 1415-1423	1.6	25
57	High temperature coercivity of Nb-containing HITPERM alloys: Effect of Cu addition. <i>Materials Letters</i> , <b>2008</b> , 62, 780-783	3.3	6
56	Instantaneous growth approximation describing the nanocrystallization process of amorphous alloys: A cellular automata model. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 3597-3605	3.9	18
55	Nanocrystallization effects on the specific heat of Fe <sub>40</sub> Nb <sub>40</sub> B amorphous alloy. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 5135-5137	3.9	7
54	Analysis of the mechanically alloyed Fe <sub>85</sub> Nb <sub>5</sub> B <sub>10</sub> powder using a non-unique lattice parameter. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 5132-5134	3.9	2
53	Kinetic and microstructural studies on the devitrification of Fe <sub>60</sub> Co <sub>18</sub> Mn <sub>x</sub> Nb <sub>6</sub> B <sub>16</sub> amorphous alloys. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 454, 156-163	5.7	8
52	An equivalent time approach for scaling the mechanical alloying processes. <i>Intermetallics</i> , <b>2008</b> , 16, 470-478	3.5	22
51	Mechanical alloying of Fe <sub>100-x</sub> Nb <sub>x</sub> By (x=5, 10; y=10, 15): From pure powder mixture to amorphous phase. <i>Intermetallics</i> , <b>2008</b> , 16, 1073-1082	3.5	21
50	A universal curve for the magnetocaloric effect: an analysis based on scaling relations. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 285207	1.8	240
49	Influence of Ge addition on the magnetocaloric effect of a Co-containing Nanoperm-type alloy. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07B316	2.5	72
48	Magnetic permeability of (FeCoGe) <sub>88</sub> Zr <sub>6</sub> B <sub>5</sub> Cu <sub>1</sub> alloys: Thermal stability in a wide temperature range. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07E721	2.5	2
47	The magnetocaloric effect in soft magnetic amorphous alloys. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 09C503	2.5	82
46	A constant magnetocaloric response in FeMoCuB amorphous alloys with different Fe/B ratios. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 093903	2.5	106
45	Microstructure and magnetic properties of FeMoBCu alloys: Influence of B content. <i>Acta Materialia</i> , <b>2007</b> , 55, 5675-5683	8.4	12
44	On the isothermal kinetics analysis of transformations in metastable systems: combined use of isothermal and non-isothermal calorimetry. <i>Philosophical Magazine</i> , <b>2007</b> , 87, 4151-4167	1.6	12
43	Magnetocaloric effect in Mn-containing Hitperm-type alloys. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 013908	2.5	11
42	Thermal and microstructural stability of the soft magnetic Fe <sub>60</sub> Co <sub>18</sub> Nb <sub>6</sub> B <sub>15</sub> Cu <sub>1</sub> alloy. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 872-874	3.9	7

41	Thermal and microstructural dependence of the initial permeability of Co <sub>60</sub> Fe <sub>18</sub> Nb <sub>6</sub> (B,Cu) <sub>16</sub> alloys. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 431, 100-106	5.7	3
40	A direct extension of the Avrami equation to describe the non-isothermal crystallization of Al-base alloys. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 434-435, 187-189	5.7	9
39	Structural ordering and magnetic properties of arc-melted FeGa alloys. <i>Intermetallics</i> , <b>2007</b> , 15, 193-200	3.5	43
38	Microstructure and mechanical properties of bulk nanocrystalline Al <sub>88</sub> Mm <sub>5</sub> Ni <sub>5</sub> Fe <sub>2</sub> alloy consolidated at high pressure. <i>Intermetallics</i> , <b>2007</b> , 15, 891-900	3.5	10
37	Ball milling of Fe <sub>83</sub> Zr <sub>6</sub> B <sub>10</sub> Cu <sub>1</sub> amorphous alloy containing quenched in crystals. <i>Intermetallics</i> , <b>2007</b> , 15, 1132-1138	3.5	10
36	Nanocrystalline Fe <sub>83</sub> Nb <sub>6</sub> (B,Ge) alloys from ball milling: Microstructure, thermal stability and magnetic properties. <i>Intermetallics</i> , <b>2007</b> , 15, 1351-1360	3.5	10
35	Mean magnetic moment of polydisperse superparamagnetic nanoparticles: correlation between grain size and magnetic moment distributions. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 1043-1051	1.3	3
34	Ball milling nanocrystallization of arc-melted and melt-spun Fe <sub>78</sub> Co <sub>5</sub> Nb <sub>3</sub> Zr <sub>3</sub> B <sub>5</sub> Ge <sub>5</sub> Cu <sub>1</sub> alloy: microstructure and magnetic properties. <i>Philosophical Magazine</i> , <b>2006</b> , 86, 2271-2282	1.6	1
33	The influence of Co addition on the magnetocaloric effect of Nanoperm-type amorphous alloys. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 064307	2.5	95
32	Field dependence of the magnetocaloric effect in materials with a second order phase transition: A master curve for the magnetic entropy change. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 222512	3.4	715
31	A Finemet-type alloy as a low-cost candidate for high-temperature magnetic refrigeration. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 042505	3.4	101
30	Mössbauer study of a Fe <sub>78</sub> Zr <sub>6</sub> B <sub>10</sub> (Cu, Co) nanocrystalline alloy series. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 422, 32-39	5.7	11
29	Effects of high temperature treatments in air and argon on the magnetic properties of HITPERM alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 304, e627-e629	2.8	4
28	Detection of the onset of nanocrystallization by calorimetric and magnetic measurements. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 044308	2.5	5
27	Effect of substitution of rare earth by mischmetal on the devitrification process of Al <sub>80</sub> Ni <sub>10</sub> Co <sub>10</sub> (X=Y, Ce, Mm) alloys. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 158-166	3.9	15
26	Effect of partial substitution of Ge for B on the high temperature response of soft magnetic nanocrystalline alloys. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 395, 313-317	5.7	7
25	Effects of the heating rate on the microstructure and the thermal stability of FeCoNbB(Cu) nanocrystalline alloys. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 397, 173-178	5.7	6
24	Partial substitution of Co and Ge for Fe and B in Fe <sub>78</sub> Zr <sub>6</sub> B <sub>10</sub> Cu alloys: microstructure and soft magnetic applicability at high temperature. <i>Acta Materialia</i> , <b>2005</b> , 53, 1241-1251	8.4	22

23	Non-isothermal approach to isokinetic crystallization processes: Application to the nanocrystallization of HITPERM alloys. <i>Acta Materialia</i> , <b>2005</b> , 53, 2305-2311	8.4	97
22	Effect of Co and Ge addition on soft magnetic properties of Fe <sub>78</sub> Co <sub>18</sub> Nb <sub>6</sub> B <sub>15</sub> Cu alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 1589-1592	2.8	3
21	Crystallization Kinetics of Al-Mn-Ni-(Co,Fe) Alloys. <i>Solid State Phenomena</i> , <b>2005</b> , 101-102, 265-268	0.4	4
20	Nanocrystallization Process of the Hitperm Fe-Co-Nb-B Alloys <b>2005</b> , 111-121		4
19	Frequency dependence of the superparamagnetic transition in a Finemet-type nanocrystalline alloy. <i>Physica Status Solidi A</i> , <b>2004</b> , 201, 3314-3318		2
18	Mössbauer and magnetoelastic investigations of the surface effects in Fe <sub>72</sub> Cu <sub>1.5</sub> Nb <sub>4</sub> Si <sub>13.5</sub> B <sub>9</sub> nanocrystalline alloy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1443-1444	2.8	5
17	Influence of Mn and Cu addition on the hyperfine parameters of amorphous and nanocrystalline FeCoNbB alloys. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 370, 36-42	5.7	4
16	Ordering of FeCo nanocrystalline phase in FeCoNbBCu alloys. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 7843-7849	1.8	10
15	Kinetics of nanocrystallization in FeCoNbB(Cu) alloys. <i>Applied Physics A: Materials Science and Processing</i> , <b>2003</b> , 76, 571-575	2.6	29
14	Microstructure and magnetic properties of Fe <sub>78</sub> Co <sub>x</sub> Nb <sub>6</sub> B <sub>15</sub> Cu <sub>1</sub> (x=18, 39, 60) alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 254-255, 460-462	2.8	32
13	Influence of Cu addition on the magnetic and magnetotransport properties of HITPERM-type alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 262, 170-173	2.8	7
12	Partitioning of Co during crystallisation of Fe <sub>78</sub> Co <sub>x</sub> Nb <sub>6</sub> B <sub>15</sub> (Cu) amorphous alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2003</b> , 353, 158-163	5.3	36
11	On the effects of partial substitution of Co for Fe in FINEMET and Nb-containing HITPERM alloys. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 3957-3968	1.8	22
10	Soft magnetic properties of high-temperature nanocrystalline alloys: Permeability and magnetoimpedance. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 2172-2177	2.5	20
9	Evolution of the hyperfine and magnetoelastic parameters in the course of crystallization process in niobium-free FINEMET-type alloy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 250, 83-91	2.8	9
8	The evolution of magnetostriction and coercivity with temperature in the early stages of nanocrystallisation in FeCoNbB(Cu) alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 250, 260-266	2.8	16
7	Mössbauer study of FeCoNbBCu hitperm-type alloys. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 1612-1614	3.4	30
6	A study of the fcc (FeCo) 23 B 6 phase in fully crystallized Fe-Co-Nb-B-Cu alloys. <i>Philosophical Magazine Letters</i> , <b>2002</b> , 82, 409-417	1	15

5	The influence of Cu addition on the crystallization and magnetic properties of FeCoNbB alloys. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 11717-11727	1.8	36
4	Thermomagnetic detection of recrystallization in FeCoNbBCu nanocrystalline alloys. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 2898-2900	3.4	31
3	Crystallisation process in (FeCo) <sub>78</sub> Nb <sub>6</sub> (BCu) <sub>16</sub> alloys. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 287, 187-192	3.9	47
2	Enthalpy and Curie temperature relaxation effects in FeSiB <sub>13</sub> TiNb alloys prepared at different quenching rates. <i>Materials Letters</i> , <b>2000</b> , 45, 246-250	3.3	21
1	A Review of Different Models Derived from Classical Kolmogorov, Johnson and Mehl, and Avrami (KJMA) Theory to Recover Physical Meaning in Solid-State Transformations. <i>Physica Status Solidi (B): Basic Research</i> , 2100524	1.3	1