Alejandro Conde

List of Publications by Year
in descending order

253 papers	8,617 citations	94381 37 h-index	53190 85 g-index
253 all docs	253 docs citations	253 times ranked	3786 citing authors

#	Article	IF	Citations
1	Magnetocaloric effect: From materials research to refrigeration devices. Progress in Materials Science, 2018, 93, 112-232.	16.0	1,031
2	The Magnetocaloric Effect and Magnetic Refrigeration Near Room Temperature: Materials and Models. Annual Review of Materials Research, 2012, 42, 305-342.	4.3	929
3	Field dependence of the magnetocaloric effect in materials with a second order phase transition: A master curve for the magnetic entropy change. Applied Physics Letters, 2006, 89, 222512.	1.5	890
4	Scaling laws for the magnetocaloric effect in second order phase transitions: From physics to applications for the characterization of materials. International Journal of Refrigeration, 2010, 33, 465-473.	1.8	532
5	A universal curve for the magnetocaloric effect: an analysis based on scaling relations. Journal of Physics Condensed Matter, 2008, 20, 285207.	0.7	278
6	The magnetocaloric effect in materials with a second order phase transition: Are TC and Tpeak necessarily coincident?. Journal of Applied Physics, 2009, 105, .	1.1	142
7	Field dependence of the magnetocaloric effect in Gd and (Er _{1â^'x} Dy _x)Al ₂ : Does a universal curve exist?. Europhysics Letters, 2007, 79, 47009.	0.7	128
8	Scaling analysis of the magnetocaloric effect in Gd5Si2Ge1.9X0.1 (X=Al, Cu, Ga, Mn, Fe, Co). Journal of Magnetism and Magnetic Materials, 2010, 322, 218-223.	1.0	124
9	Non-isothermal approach to isokinetic crystallization processes: Application to the nanocrystallization of HITPERM alloys. Acta Materialia, 2005, 53, 2305-2311.	3.8	122
10	Optimization of the refrigerant capacity in multiphase magnetocaloric materials. Applied Physics Letters, 2011, 98, 102505.	1.5	115
11	A constant magnetocaloric response in FeMoCuB amorphous alloys with different Feâ^•B ratios. Journal of Applied Physics, 2007, 101, 093903.	1.1	113
12	Influence of Co and Ni addition on the magnetocaloric effect in Fe88â^'2xCoxNixZr7B4Cu1 soft magnetic amorphous alloys. Applied Physics Letters, 2010, 96, 182506.	1.5	113
13	A Finemet-type alloy as a low-cost candidate for high-temperature magnetic refrigeration. Applied Physics Letters, 2006, 88, 042505.	1.5	105
14	The influence of Co addition on the magnetocaloric effect of Nanoperm-type amorphous alloys. Journal of Applied Physics, 2006, 100, 064307.	1.1	104
15	The influence of a minority magnetic phase on the field dependence of the magnetocaloric effect. Journal of Magnetism and Magnetic Materials, 2009, 321, 1115-1120.	1.0	98
16	The magnetocaloric effect in soft magnetic amorphous alloys. Journal of Applied Physics, 2007, 101, 09C503.	1.1	89
17	Influence of Co addition on the magnetocaloric effect of FeCoSiAlGaPCB amorphous alloys. Applied Physics Letters, 2006, 88, 132509.	1.5	87
18	Evidence of spin disorder at the surfaceâ€“core interface of oxygen passivated Fe nanoparticles. Journal of Applied Physics, 1998, 84, 2189-2192.	1.1	86

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19	Enhanced magnetocaloric response in Crâ•Mo containing Nanoperm-type amorphous alloys. Applied Physics Letters, 2007, 90, 052509.	1.5	85
20	Influence of Ge addition on the magnetocaloric effect of a Co-containing Nanoperm-type alloy. Journal of Applied Physics, 2008, 103, .	1.1	79
21	Refrigerant capacity of FeCrMoCuGaPCB amorphous alloys. Journal of Applied Physics, 2006, 100, 083903.	1.1	69
22	Magnetocaloric response of FeCrB amorphous alloys: Predicting the magnetic entropy change from the Arrottâ€“Noakes equation of state. Journal of Applied Physics, 2008, 104, .	1.1	63
23	Glass-forming ability and soft magnetic properties of FeCoSiAlGaPCB amorphous alloys. Journal of Applied Physics, 2002, 92, 2073-2078.	1.1	59
24	Field dependence of the magnetocaloric effect in core-shell nanoparticles. Journal of Applied Physics, 2010, 107, .	1.1	58
25	Enhancement of the magnetocaloric effect in composites: Experimental validation. Solid State Communications, 2012, 152, 1590-1594.	0.9	55
26	Influence of the demagnetizing field on the determination of the magnetocaloric effect from magnetization curves. Journal of Applied Physics, 2009, 105, 07A919.	1.1	55
27	Dependence of exchange anisotropy and coercivity on the Feâ€“oxide structure in oxygen-passivated Fe nanoparticles. Journal of Applied Physics, 1999, 85, 6118-6120.	1.1	50
28	Structural ordering and magnetic properties of arc-melted FeGa alloys. Intermetallics, 2007, 15, 193-200.	1.8	50
29	Magnetic refrigerants with continuous phase transitions: Amorphous and nanostructured materials. Scripta Materialia, 2012, 67, 594-599.	2.6	50
30	Crystallisation process in (FeCo)78Nb6(BCu)16 alloys. Journal of Non-Crystalline Solids, 2001, 287, 187-192.	1.5	49
31	Tailoring of magnetocaloric response in nanostructured materials: Role of anisotropy. Physical Review B, 2008, 77, .	1.1	49
32	Field dependence of the adiabatic temperature change in second order phase transition materials: Application to Gd. Journal of Applied Physics, 2009, 106, .	1.1	46
33	Partitioning of Co during crystallisation of Feâ€“Coâ€“Nbâ€“B(â€“Cu) amorphous alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 353, 158-163.	2.6	43
34	Magnetocaloric effect and critical exponents of Fe77Co5.5Ni5.5Zr7B4Cu1: A detailed study. Journal of Applied Physics, 2011, 109, .	1.1	41
35	Ball milling as a way to produce magnetic and magnetocaloric materials: a review. Journal of Materials Science, 2017, 52, 11834-11850.	1.7	41
36	The melting behavior of passivated nanocrystalline aluminum. Scripta Materialia, 1996, 7, 813-822.	0.5	40

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37	The influence of Cu addition on the crystallization and magnetic properties of FeCoNbB alloys. Journal of Physics Condensed Matter, 2002, 14, 11717-11727.	0.7	40
38	Magnetocaloric response of Fe75Nb10B15 powders partially amorphized by ball milling. Journal of Applied Physics, 2009, 105, 123922.	1.1	39
39	Influence of magnetic interactions between phases on the magnetocaloric effect of composites. Applied Physics Letters, 2013, 102, .	1.5	38
40	Predicting the tricritical point composition of a series of LaFeSi magnetocaloric alloys via universal scaling. Journal Physics D: Applied Physics, 2017, 50, 414004.	1.3	38
41	Influence of the demagnetizing factor on the magnetocaloric effect: Critical scaling and numerical simulations. Applied Physics Letters, 2014, 104, .	1.5	36
42	Two different critical regimes enclosed in the Beanâ€“Rodbell model and their implications for the field dependence and universal scaling of the magnetocaloric effect. Physical Chemistry Chemical Physics, 2017, 19, 3582-3595.	1.3	36
43	The magnetocaloric properties of GdScSi and GdScGe. Intermetallics, 2011, 19, 1573-1578.	1.8	35
44	Magnetocaloric effect and critical behavior in Pr_{0.5}Sr_{0.5}MnO₃: an analysis of the validity of the Maxwell relation and the nature of the phase transitions. Journal of Physics Condensed Matter, 2014, 26, 286001.	0.7	35
45	Kinetics of nanocrystallization in FeCoNbB(Cu) alloys. Applied Physics A: Materials Science and Processing, 2003, 76, 571-575.	1.1	33
46	Microstructure and magnetic properties of Fe78â^'xCoxNb6B15Cu1 (x=18, 39, 60) alloys. Journal of Magnetism and Magnetic Materials, 2003, 254-255, 460-462.	1.0	33
47	A hybrid silver-magnetite detector based on surface enhanced Raman scattering for differentiating organic compounds. Sensors and Actuators B: Chemical, 2016, 228, 124-133.	4.0	33
48	Changes in magnetic anisotropy distribution during structural evolution of Fe76Si10.5B9.5Cu1Nb3. Journal of Magnetism and Magnetic Materials, 1998, 185, 353-359.	1.0	32
49	Thermomagnetic detection of recrystallization in FeCoNbBCu nanocrystalline alloys. Applied Physics Letters, 2001, 79, 2898-2900.	1.5	32
50	MÃ¶ssbauer study of FeCoNbBCu hitperm-type alloys. Applied Physics Letters, 2002, 81, 1612-1614.	1.5	32
51	Influence of Mn on the magnetocaloric effect of nanoperm-type alloys. Journal of Applied Physics, 2010, 108, .	1.1	30
52	Gd+GdZn biphasic magnetic composites synthesized in a single preparation step: Increasing refrigerant capacity without decreasing magnetic entropy change. Journal of Alloys and Compounds, 2016, 675, 244-247.	2.8	29
53	Microstructural evolution characterization of Feâ€“Nbâ€“B ternary systems processed by ball milling. Philosophical Magazine, 2009, 89, 1415-1423.	0.7	28
54	Thermomagnetic study of devitrification in nanocrystalline Fe(Cr)SiB-CuNb alloys. Journal of Magnetism and Magnetic Materials, 1994, 138, 314-318.	1.0	27

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55	Thermal effects in a Stonerâ€“Wohlfarth model and their influence on magnetic anisotropy determination. Journal of Magnetism and Magnetic Materials, 2004, 278, 28-38.	1.0	27
56	Magnetocaloric effect in melt-spun FePd ribbon alloy with second order phase transition. Journal of Alloys and Compounds, 2011, 509, 190-194.	2.8	27
57	Study of phases evolution in high-coercive MnAl powders obtained through short milling time of gas-atomized particles. Journal of Alloys and Compounds, 2017, 712, 373-378.	2.8	27
58	How concurrent thermomagnetic transitions can affect magnetocaloric effect: The Ni49+xMn36-xIn15 Heusler alloy case. Acta Materialia, 2019, 166, 459-465.	3.8	27
59	Crystallization of a FINEMET-type alloy: nanocrystallization kinetics. Materials Letters, 1994, 21, 409-414.	1.3	26
60	Magnetic properties and nanocrystallization of a Fe63.5Cr10Si13.5B9Cu1Nb3 alloy. Journal of Magnetism and Magnetic Materials, 1999, 203, 60-62.	1.0	26
61	Glass-forming ability and crystallization behavior of Co62â^'xFexNb6Zr2B30 (x=0,16) amorphous alloys with large supercooled liquid region. Journal of Applied Physics, 2002, 92, 6607-6611.	1.1	26
62	Partial substitution of Co and Ge for Fe and B in Feâ€“Zrâ€“Bâ€“Cu alloys: microstructure and soft magnetic applicability at high temperature. Acta Materialia, 2005, 53, 1241-1251.	3.8	26
63	Study of the field dependence of the magnetocaloric effect in Nd1.25Fe11Ti: A multiphase magnetic system. Journal of Magnetism and Magnetic Materials, 2010, 322, 804-807.	1.0	26
64	Influence of Co addition on the magnetic properties and magnetocaloric effect of Nanoperm (Fe1â^'XCoX)75Nb10B15 type alloys prepared by mechanical alloying. Journal of Alloys and Compounds, 2010, 496, 7-12.	2.8	26
65	Magnetocaloric effect of Co62Nb6Zr2B30 amorphous alloys obtained by mechanical alloying or rapid quenching. Journal of Applied Physics, 2014, 115, .	1.1	26
66	Autocalibrating quasistatic Mâ€H hysteresis loop tracer with negligible drift. Review of Scientific Instruments, 1996, 67, 4167-4170.	0.6	25
67	Microstructure and magnetic properties of a FeSiBâ€“CuNb alloy submitted to Joule heating. Journal of Magnetism and Magnetic Materials, 1999, 203, 199-201.	1.0	24
68	Thermomagnetic study of devitrification in Fe-Si-B-Cu-Nb(-X) alloys. Philosophical Magazine Letters, 2000, 80, 359-365.	0.5	24
69	Soft magnetic properties of high-temperature nanocrystalline alloys: Permeability and magnetoimpedance. Journal of Applied Physics, 2003, 93, 2172-2177.	1.1	24
70	Characterization of oxygen passivated iron nanoparticles and thermal evolution to Î³-Fe2O3. Journal of Materials Science, 2004, 39, 4877-4885.	1.7	24
71	On the effects of partial substitution of Co for Fe in FINEMET and Nb-containing HITPERM alloys. Journal of Physics Condensed Matter, 2003, 15, 3957-3968.	0.7	23
72	An equivalent time approach for scaling the mechanical alloying processes. Intermetallics, 2008, 16, 470-478.	1.8	23

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73	Enthalpy and Curie temperature relaxation effects in FeSiBâ€“CuNb alloys prepared at different quenching rates. Materials Letters, 2000, 45, 246-250.	1.3	22
74	Mechanical alloying of Fe100â^'â^'Nb B (x= 5, 10; y= 10, 15): From pure powder mixture to amorphous phase. Intermetallics, 2008, 16, 1073-1082.	1.8	22
75	Enhancement of magnetocaloric effect in B-rich FeZrBCu amorphous alloys. Journal of Alloys and Compounds, 2015, 622, 756-760.	2.8	22
76	Nanostructuring as a procedure to control the field dependence of the magnetocaloric effect. Materials and Design, 2017, 114, 214-219.	3.3	22
77	Stereoselective synthesis of nitropyrazolines: 1,3-dipolar cycloaddition of diazoalkanes to (E)-4,5,6,7,8-penta-O-acetyl-1,2,3-trideoxy-2-C-nitro-d-manno-oct-2-enitol. Carbohydrate Research, 1991, 210, 327-332.	1.1	20
78	A Fitting Procedure to Describe MÃ¶ssbauer Spectra of FINEMET-type Nanocrystalline Alloys. Hyperfine Interactions, 2000, 131, 67-82.	0.2	20
79	Crystallization of Co-containing Finemet alloys. Journal of Non-Crystalline Solids, 2001, 287, 120-124.	1.5	20
80	Dipoleâ€“dipole interaction in superparamagnetic nanocrystalline Fe63.5Cr10Si13.5B9Cu1Nb3. Journal of Applied Physics, 2001, 90, 1558-1563.	1.1	20
81	Extension of the classical theory of crystallization to non-isothermal regimes: Application to nanocrystallization processes. Journal of Alloys and Compounds, 2012, 544, 73-81.	2.8	20
82	Analysis of magnetocaloric effect of ball milled amorphous alloys: Demagnetizing factor and Curie temperature distribution. Journal of Alloys and Compounds, 2015, 622, 606-609.	2.8	20
83	Composition dependence of Curie temperature and microstructure in amorphous Feâ€“Coâ€“Moâ€“Cuâ€“B metallic glasses. Journal of Magnetism and Magnetic Materials, 2006, 304, e739-e742.	1.0	19
84	Magnetic and structural characterization of Mo-Hitperm alloys with different Fe/Co ratio. Journal of Alloys and Compounds, 2011, 509, 1994-2000.	2.8	19
85	Amorphization and evolution of magnetic properties during mechanical alloying of Co62Nb6Zr2B30: Dependence on starting boron microstructure. Journal of Alloys and Compounds, 2014, 585, 485-490.	2.8	19
86	Nanocrystallization in Fe73.5Cu1Nb3(Si,B)22.5 alloys: influence of the Si/B content. Scripta Materialia, 1995, 6, 457-460.	0.5	18
87	Nanocrystallization behaviour of FeSiBCu(NbX) alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 663-667.	2.6	18
88	Structural relaxation processes in FeSiB-Cu(Nb, X), X=Mo, V, Zr, Nb glassy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 491-494.	2.6	18
89	Instantaneous growth approximation describing the nanocrystallization process of amorphous alloys: A cellular automata model. Journal of Non-Crystalline Solids, 2008, 354, 3597-3605.	1.5	18
90	Nanocrystallization in Fe73.5Si13.5B9Cu1Nb1X2 (X = Nb, Mo and V) alloys studied by X-ray synchrotron radiation. Scripta Materialia, 1998, 10, 575-583.	0.5	17

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91	Nanocrystallite compositions for Al- and Mo-containing Finemet-type alloys. Journal of Non-Crystalline Solids, 2001, 287, 125-129.	1.5	17
92	The evolution of magnetostriction and coercivity with temperature in the early stages of nanocrystallisation in FeCoNbB(Cu) alloys. Journal of Magnetism and Magnetic Materials, 2002, 250, 260-266.	1.0	17
93	Effect of Î±-Fe impurities on the field dependence of magnetocaloric response in LaFe11.5Si1.5. Journal of Alloys and Compounds, 2015, 646, 101-105.	2.8	17
94	Superparamagnetic behaviour in an Fe76Cu1Nb3Si10.5B9.5 alloy. Journal of Magnetism and Magnetic Materials, 2000, 215-216, 400-403.	1.0	16
95	High-temperature evolution of coercivity in nanocrystalline alloys. Physical Review B, 2002, 66, .	1.1	16
96	A study of the fcc (FeCo) 23 B 6 phase in fully crystallized Fe-Co-Nb-B-Cu alloys. Philosophical Magazine Letters, 2002, 82, 409-417.	0.5	16
97	Role of starting phase of boron on the mechanical alloying of FeNbB composition. Journal of Alloys and Compounds, 2013, 553, 119-124.	2.8	16
98	X-ray absorption studies of a FINEMET alloy. Journal of Non-Crystalline Solids, 1998, 232-234, 352-357.	1.5	15
99	Microstructure and magnetic properties of FeMoBCu alloys: Influence of B content. Acta Materialia, 2007, 55, 5675-5683.	3.8	15
100	Supersaturated solid solution obtained by mechanical alloying of 75% Fe, 20% Ge and 5% Nb mixture at different milling intensities. Journal of Alloys and Compounds, 2009, 469, 169-178.	2.8	15
101	Enhanced cryogenic magnetocaloric effect in Eu8Ga16Ge30 clathrate nanocrystals. Journal of Applied Physics, 2015, 117, .	1.1	15
102	Influence of the starting temperature of calorimetric measurements on the accuracy of determined magnetocaloric effect. Journal of Magnetism and Magnetic Materials, 2018, 457, 64-69.	1.0	15
103	A Review of Different Models Derived from Classical Kolmogorov, Johnson and Mehl, and Avrami (KJMA) Theory to Recover Physical Meaning in Solidâ€State Transformations. Physica Status Solidi (B): Basic Research, 2022, 259, .	0.7	15
104	Lattice dynamics and thermal crystallographic parameters in phenothiazine. Acta Crystallographica Section A: Foundations and Advances, 1984, 40, 696-701.	0.3	14
105	Microstructural evolution of FINEMET type alloys with chromium: An electron microscopy study. Journal of Materials Science, 1995, 30, 3591-3597.	1.7	14
106	Title is missing!. , 1997, 110, 1-6.		14
107	Effect of the Si/B ratio on the magnetic anisotropy distribution of Fe73.5Si22.5â^'xBxCu1Nb3 (x=7,9,16) alloys along nanocrystallization. Journal of Applied Physics, 1998, 84, 5108-5113.	1.1	14
108	Mo-containing Finemet alloys: microstructure and magnetic properties. Journal of Non-Crystalline Solids, 2001, 287, 366-369.	1.5	14

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109	Influence of the addition of Mn and Cu on the nanocrystallization process of HITPERM Feâ€“Coâ€“Nbâ€“B alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 718-721.	2.6	14
110	A unified approach to describe the thermal and magnetic hysteresis in Heusler alloys. Applied Physics Letters, 2016, 109, .	1.5	14
111	Magnetocaloric response of amorphous and nanocrystalline Cr-containing Vitroperm-type alloys. Journal of Magnetism and Magnetic Materials, 2016, 409, 56-61.	1.0	14
112	Grinding and particle size selection as a procedure to enhance the magnetocaloric response of La(Fe,Si)13 bulk samples. Intermetallics, 2017, 84, 30-34.	1.8	14
113	Non-isothermal crystallization and isothermal transformation kinetics of the Ni68.5Cr14.5P17 metallic glass. Journal of Materials Science, 1989, 24, 139-142.	1.7	13
114	On the isothermal kinetics analysis of transformations in metastable systems: combined use of isothermal and non-isothermal calorimetry. Philosophical Magazine, 2007, 87, 4151-4167.	0.7	13
115	On the use of classical JMAK crystallization kinetic theory to describe simultaneous processes leading to the formation of different phases in metals. International Journal of Thermal Sciences, 2015, 88, 1-6.	2.6	13
116	Electron microscopy study of crystallization behaviour of Fe40Ni38Mo4B18 (2826 MB) metallic glass. Journal of Materials Science, 1982, 17, 861-866.	1.7	12
117	Thermomagnetic study of Fe73.5â^'xCrxSi13.5B9Cu1Nb3 (x=1,3,5,10) alloys. Journal of Magnetism and Magnetic Materials, 2000, 215-216, 404-406.	1.0	12
118	Ordering of FeCo nanocrystalline phase in FeCoNbBCu alloys. Journal of Physics Condensed Matter, 2003, 15, 7843-7849.	0.7	12
119	MÃ¶ssbauer study of a Feâ€“Zrâ€“Bâ€“Cuâ€“(Ge, Co) nanocrystalline alloy series. Journal of Alloys and Compounds, 2006, 422, 32-39.	2.8	12
120	Magnetocaloric effect in Mn-containing Hitperm-type alloys. Journal of Applied Physics, 2007, 102, 013908.	1.1	12
121	Joule heating as a technique for obtaining uncoupled soft and hard magnetic phases in a Finemet alloy. Journal of Applied Physics, 2007, 101, 033909.	1.1	12
122	Enhancement of the magnetic refrigerant capacity in partially amorphous Fe70Zr30 powders obtained by mechanical alloying. Intermetallics, 2012, 26, 52-56.	1.8	12
123	Metastable Soft Magnetic Materials Produced by Mechanical Alloying: Analysis Using an Equivalent Time Approach. Jom, 2013, 65, 870-882.	0.9	12
124	Relationship between mechanical amorphization and boron integration during processing of FeNbB alloys. Intermetallics, 2014, 49, 98-105.	1.8	12
125	Anisotropy field distribution in soft magnetic Hitperm alloys submitted to different field annealing processes. Journal of Alloys and Compounds, 2016, 658, 367-371.	2.8	12
126	On the Use of JMAK Theory to Describe Mechanical Amorphization: A Comparison between Experiments, Numerical Solutions and Simulations. Metals, 2018, 8, 450.	1.0	12

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127	Time-scaling and crystallization kinetics of three Fe-B-based metallic glasses. Journal of Materials Science, 1989, 24, 1862-1866.	1.7	11
128	Influence of anisotropy on the grain size distribution derived from superparamagnetic magnetization curves. Journal of Magnetism and Magnetic Materials, 2004, 277, 181-186.	1.0	11
129	Nanocrystalline Feâ€“Nbâ€“(B,Ge) alloys from ball milling: Microstructure, thermal stability and magnetic properties. Intermetallics, 2007, 15, 1351-1360.	1.8	11
130	Correlation between microstructure and temperature dependence of magnetic properties in Fe60Co18(Nb,Zr)6B15Cu1 alloy series. Journal of Applied Physics, 2009, 105, .	1.1	11
131	Crystallization of (Fe, Co)78Si9B13 alloys: influence of relaxation processes. Journal of Materials Science, 1998, 33, 2171-2177.	1.7	10
132	Microstructural properties of (Fe, Co)SiBCuNb nanocrystalline alloys. Journal of Physics Condensed Matter, 2002, 14, 883-893.	0.7	10
133	A direct extension of the Avrami equation to describe the non-isothermal crystallization of Al-base alloys. Journal of Alloys and Compounds, 2007, 434-435, 187-189.	2.8	10
134	Ball milling of Fe83Zr6B10Cu1 amorphous alloy containing quenched in crystals. Intermetallics, 2007, 15, 1132-1138.	1.8	10
135	Preferential Co partitioning to Î±-Fe in nanocrystalline CoFeNbB alloys by Mn addition. Journal of Non-Crystalline Solids, 2009, 355, 109-113.	1.5	10
136	A New Method for Determining the Curie Temperature From Magnetocaloric Measurements. IEEE Magnetics Letters, 2016, 7, 1-4.	0.6	10
137	An in situ synchrotron study of nanocrystallization in (Fe,Cr)-Si-B(-Cu-Nb) alloys. Philosophical Magazine Letters, 1998, 78, 221-227.	0.5	9
138	Magnetic anisotropy obtained from demagnetization curves: Influence of particle orientation and interactions. Applied Physics Letters, 1999, 74, 3875-3877.	1.5	9
139	Devitrification process of FeSiBCuBbX nanocrystalline alloys: MÃ¶ssbauer study of the intergranular phase. Journal of Physics Condensed Matter, 2000, 12, 8089-8100.	0.7	9
140	Microstructure and magnetic permeability of Hitperm (FeMn)CoNbB(Cu) alloys. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1430-1432.	1.0	9
141	Effect of partial substitution of Ge for B on the high temperature response of soft magnetic nanocrystalline alloys. Journal of Alloys and Compounds, 2005, 395, 313-317.	2.8	9
142	Crystallization behavior and magnetic properties of Cu-containing Feâ€“Crâ€“Moâ€“Gaâ€“Pâ€“Câ€“B alloys. Journal of Applied Physics, 2006, 100, 043515.	1.1	9
143	Mechanical amorphization of Fe75Nb10B15 powder: Microstructural and magnetic characterization. Intermetallics, 2010, 18, 565-568.	1.8	9
144	Magnetic Multilayers as a Way to Increase the Magnetic Field Responsiveness of Magnetocaloric Materials. Journal of Nanoscience and Nanotechnology, 2012, 12, 7432-7436.	0.9	9

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145	The crystal and molecular structure of 2-formylpyridine selenosemicarbazone. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1972, 28, 3464-3469.	0.4	8
146	The crystal structure and molecular conformation of 3,7-dichlorophenoselenazine. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1974, 30, 1332-1335.	0.4	8
147	Thermal evolution of co-evaporated amorphous thin Ni-Ag films. Thin Solid Films, 1982, 88, 211-217.	0.8	8
148	Crystallization kinetics of Fe40Ni38Mo4B18 and Fe80B20 metallic glasses. Journal of Materials Science, 1982, 17, 2677-2686.	1.7	8
149	On the crystallization of Fe77B16Si5Cr2 alloy. Materials Letters, 1986, 4, 442-446.	1.3	8
150	Calorimetric and X-ray characterization of the non-isothermal crystallization of the metallic glass Ni89P11C (wt.%). Materials Letters, 1987, 5, 182-184.	1.3	8
151	Lattice-energy calculations on organometallic compounds. Acta Crystallographica Section B: Structural Science, 1988, 44, 259-262.	1.8	8
152	Superparamagnetic behaviour of a nanocrystalline Fe(CrMo)SiBCuNb alloy. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 201-203.	1.0	8
153	Transition to superparamagnetism in a Cr-containing FINEMET-type alloy. IEEE Transactions on Magnetics, 2002, 38, 3069-3074.	1.2	8
154	Kinetic and microstructural studies on the devitrification of Fe60â^'xCo18MnxNb6B16 amorphous alloys. Journal of Alloys and Compounds, 2008, 454, 156-163.	2.8	8
155	Nanocrystallization kinetics under instantaneous growth approximation: Experiments and cellular automata simulations. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1148-1153.	0.8	8
156	Two milling time regimes in the evolution of magnetic anisotropy of mechanically alloyed soft magnetic powders. Journal of Alloys and Compounds, 2011, 509, 1407-1410.	2.8	8
157	Cellular automata simulations on nanocrystallization processes: From instantaneous growth approximation to limited growth. Journal of Non-Crystalline Solids, 2011, 357, 2833-2839.	1.5	8
158	A procedure to extract the magnetocaloric parameters of the single phases from experimental data of a multiphase system. Applied Physics Letters, 2014, 105, 172405.	1.5	8
159	Structural relaxation in Fe(Co)SiAlGaPCB amorphous alloys. Journal of Alloys and Compounds, 2014, 584, 607-610.	2.8	8
160	Influence of microstructure on the enhancement of soft magnetic character and the induced anisotropy of field annealed HITPERM-type alloys. Journal of Applied Physics, 2015, 117, 17A301.	1.1	8
161	The crystal and molecular structure of 1-p-chlorophenyl-4-(Î±-D-erythrofuranosyl)-4-imidazoline-2-thione. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1974, 30, 2348-2352.	0.4	7
162	The crystal and molecular structure of 1-methyl-4-(Î²-D-erythrofuranosyl)imidazoline-2-thione. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1975, 31, 648-652.	0.4	7

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