

# Pedro Gorria

## List of Publications by Year in descending order

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151  
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citing authors

#	ARTICLE	IF	CITATIONS
1	Entangled core/shell magnetic structure driven by surface magnetic symmetry-breaking in $\text{Cr}_2\text{O}_3$ nanoparticles. Journal of Materials Chemistry C, 2022, 10, 1798-1807.	2.7	5
2	Critical behavior in hexagonal $\text{Y}_2\text{Fe}_{17}$ : magnetic interaction crossover from 3D to 2D Ising model. CrystEngComm, 2021, 23, 3411-3418.	1.3	5
3	Towards advanced industrial waste-based magnetic activated carbons with tunable chemical, textural and magnetic properties. Applied Surface Science, 2021, 551, 149407.	3.1	13
4	Nickel-doped nanostructured $\text{Fe}_{70}\text{Al}_{30}$ alloys: The role of Ni on the microstructure and the evolution of hyperfine and magnetic properties. Materials Letters, 2020, 263, 127172.	1.3	1
5	Structure, Microstructure and Magnetic Properties of Ternary $(\text{Fe}_{0.6}\text{Al}_{0.4})_{100-x}\text{Si}_x$ Nanostructured Powders: Effect of Si Addition. Journal of Nano Research, 2019, 58, 102-117.	0.8	1
6	Low Temperature and Surfactant-Free Hydrothermal Synthesis of CoNi Nanoparticles: Structure, Microstructure, and Magnetic Properties. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2939-2945.	0.8	4
7	Magnetocaloric Effect in Specially Designed Materials. , 2018, , 199-244.		6
8	Low temperature hydrothermal synthesis of $\text{Ni}_{75}\text{Fe}_{25}$ nanostructured powders: Microstructure, morphology and magnetic behaviour. Journal of Magnetism and Magnetic Materials, 2018, 466, 212-218.	1.0	6
9	Effect of Si addition on the structural, microstructural and magnetic properties of $(\text{Fe}_{70}\text{Al}_{30})_{100-x}\text{Si}_x$ nanostructured powders elaborated by mechanical alloying. Journal of Magnetism and Magnetic Materials, 2017, 439, 188-195.	1.0	3
10	Structure and Magnetic Properties of Ternary Nanosized $\text{FeAlSn}$ and $\text{CuFeCo}$ Powders Synthesized by Mechanical Milling. Journal of Nano Research, 2017, 47, 79-88.	0.8	2
11	Quasi-Static AC FORC Measurements for Soft Magnetic Materials and Their Differential Interpretation. IEEE Transactions on Magnetics, 2017, 53, 1-6.	1.2	12
12	Lamellar $\text{Co}_3\text{O}_4$ nanoparticles recycled from synthetic cobalt carbonate: Core/shell morphology and magnetic properties. Ceramics International, 2017, 43, 10889-10894.	2.5	4
13	The role of silicon on the microstructure and magnetic behaviour of nanostructured $(\text{Fe}_{0.7}\text{Co}_{0.3})_{100-x}\text{Si}_x$ powders. Journal of Magnetism and Magnetic Materials, 2017, 422, 149-156.	1.0	10
14	Disclosure of Double Exchange Bias Effect in Chromium (III) Oxide Nanoparticles. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	4
15	Nanocrystalline and amorphous $\text{FeAlSn}$ alloy prepared by mechanical alloying. , 2017, , .		0
16	On the correct estimation of the magnetic entropy change across the magneto-structural transition from the Maxwell relation: Study of $\text{MnCoGeB}_x$ alloy ribbons. Journal of Alloys and Compounds, 2017, 694, 1189-1195.	2.8	38
17	Size effects on the Néel temperature of antiferromagnetic NiO nanoparticles. AIP Advances, 2016, 6, .	0.6	44
18	Investigating the magnetic entropy change in single-phase $\text{Y}_2\text{Fe}_{17}$ melt-spun ribbons. Current Applied Physics, 2016, 16, 963-968.	1.1	14

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19	Disentangling magnetic core/shell morphologies in Co-based nanoparticles. Journal of Materials Chemistry C, 2016, 4, 2302-2311.	2.7	13
20	Boosted Hyperthermia Therapy by Combined AC Magnetic and Photothermal Exposures in Ag/Fe <sub>3</sub> O <sub>4</sub> Nanoflowers. ACS Applied Materials & Interfaces, 2016, 8, 25162-25169.	4.0	107
21	Visualizing decoupling in nanocrystalline alloys: A FORC-temperature analysis. Journal of Magnetism and Magnetic Materials, 2016, 400, 315-320.	1.0	8
22	Bridging exchange bias effect in NiO and Ni(core)@NiO(shell) nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 400, 236-241.	1.0	18
23	Magnetostatic interaction in soft magnetic bilayer ribbons unambiguously identified by first-order reversal curve analysis. Applied Physics Letters, 2015, 107, .	1.5	18
24	On the exchange bias effect in NiO nanoparticles with a core(antiferromagnetic)/shell (spin glass) morphology. Journal of Physics: Conference Series, 2015, 663, 012001.	0.3	3
25	Magnetic phase diagram of superantiferromagnetic TbCu <sub>2</sub> nanoparticles. Journal of Physics Condensed Matter, 2015, 27, 496002.	0.7	15
26	Scrutinizing the role of size reduction on the exchange bias and dynamic magnetic behavior in NiO nanoparticles. Nanotechnology, 2015, 26, 305705.	1.3	43
27	Unravelling the onset of the exchange bias effect in Ni(core)@NiO(shell) nanoparticles embedded in a mesoporous carbon matrix. Journal of Materials Chemistry C, 2015, 3, 5674-5682.	2.7	26
28	Microstructure, morphology and magnetic properties of Ni nanoparticles synthesized by hydrothermal method. Materials Chemistry and Physics, 2015, 160, 435-439.	2.0	22
29	Microstructure and magnetic properties of nanostructured (Fe 0.8 Al 0.2 ) 100% Si x alloy produced by mechanical alloying. Journal of Magnetism and Magnetic Materials, 2015, 385, 151-159.	1.0	14
30	High-magnetic field characterization of magnetocaloric effect in FeZrB(Cu) amorphous ribbons. Journal of Applied Physics, 2015, 117, .	1.1	23
31	Magnetic entropy table-like shape in RNi <sub>2</sub> composites for cryogenic refrigeration. Journal of Applied Physics, 2015, 117, .	1.1	20
32	Optimizing the Curie temperature of pseudo-binary RxR' <sub>2-x</sub> Fe <sub>17</sub> (R,R' = rare earth) for magnetic refrigeration. Journal of Physics: Conference Series, 2014, 549, 012019.	0.3	1
33	Enhanced refrigerant capacity in two-phase nanocrystalline/amorphous NdPrFe <sub>17</sub> melt-spun ribbons. Applied Physics Letters, 2014, 104, .	1.5	39
34	On the broadening of the magnetic entropy change due to Curie temperature distribution. Journal of Applied Physics, 2014, 115, .	1.1	29
35	Crystal structure, microstructure and magnetic properties of Ni nanoparticles elaborated by hydrothermal route. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 11-15.	1.0	18
36	Interplay between microstructure and magnetism in NiO nanoparticles: breakdown of the antiferromagnetic order. Nanoscale, 2014, 6, 457-465.	2.8	90

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37	Investigating the crystallization process in a FeCrB metallic glass by combining magnetic and neutron thermo-diffraction experiments. Journal of Physics: Conference Series, 2014, 549, 012018.	0.3	0
38	Exploring the magneto-volume anomalies in Dy <sub>2</sub> Fe <sub>17</sub> with unconventional rhombohedral crystal structure. Acta Materialia, 2013, 61, 7931-7937.	3.8	16
39	Searching the conditions for a table-like shape of the magnetic entropy in magneto-caloric materials. Journal of Alloys and Compounds, 2013, 568, 98-101.	2.8	39
40	The magnetocaloric effect in Er <sub>2</sub> Fe <sub>17</sub> near the magnetic phase transition. Journal of Physics Condensed Matter, 2013, 25, 496010.	0.7	11
41	The substitution effect of chromium on the magnetic properties of (Fe <sub>1-x</sub> Cr <sub>x</sub> ) <sub>80</sub> Si <sub>6</sub> B <sub>14</sub> metallic glasses (0.02 ≤ x ≤ 0.14). Journal of Magnetism and Magnetic Materials, 2013, 347, 75-78.	1.0	19
42	Magnetocaloric effect in melt-spun MnCoGe ribbons. Scripta Materialia, 2013, 69, 211-214.	2.6	41
43	Magnetic entropy change and refrigerant capacity of rapidly solidified TbNi <sub>2</sub> alloy ribbons. Journal of Applied Physics, 2013, 113, .	1.1	25
44	Size-induced superantiferromagnetism with reentrant spin-glass behavior in metallic nanoparticles of TbCu <sub>2</sub> . Physical Review B, 2013, 87, .	1.1	26
45	Texture-induced enhancement of the magnetocaloric response in melt-spun DyNi <sub>2</sub> ribbons. Applied Physics Letters, 2013, 103, .	1.5	42
46	ISMANAM-2011. Journal of Alloys and Compounds, 2012, 536, S1.	2.8	1
47	Magnetovolume and magnetocaloric effects in Er <sub>2</sub> Fe <sub>17</sub> . Physical Review B, 2012, 86, .	1.1	49
48	Co nanoparticles inserted into a porous carbon amorphous matrix: the role of cooling field and temperature on the exchange bias effect. Physical Chemistry Chemical Physics, 2011, 13, 927-932.	1.3	24
49	Enhanced Protection of Carbon-Encapsulated Magnetic Nickel Nanoparticles through a Sucrose-Based Synthetic Strategy. Journal of Physical Chemistry C, 2011, 115, 5294-5300.	1.5	34
50	Investigating the martensite-austenite transformation on mechanically alloyed FeNi solid solutions. Journal of Physics: Conference Series, 2011, 325, 012019.	0.3	0
51	Influence of magnetic fluctuations in the magnetocaloric effect on rare-earth intermetallic compounds. Physical Review B, 2011, 84, .	1.1	19
52	Spin-glass-like behaviour in ball milled Fe <sub>30</sub> Cr <sub>70</sub> alloy studied by ac magnetic susceptibility. Journal of Alloys and Compounds, 2011, 509, S397-S399.	2.8	11
53	Onion-like nanoparticles with $\hat{I}^3$ -Fe core surrounded by a $\hat{I}^{\pm}$ -Fe/Fe-oxide double shell. Journal of Alloys and Compounds, 2011, 509, S320-S322.	2.8	9
54	Magnetic properties and magneto-caloric effect in pseudo-binary intermetallic (Ce,R) <sub>2</sub> Fe <sub>17</sub> compounds (R=ÅY, Pr and Dy). Intermetallics, 2011, 19, 982-987.	1.8	29

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55	Magnetic structure and magneto-volume anomalies in $\text{Er}_2\text{Fe}_{17}$ compound. Journal of Physics: Conference Series, 2011, 325, 012011.	0.3	5
56	Magneto-caloric effect in the pseudo-binary intermetallic $\text{YPrFe}_{17}$ compound. Materials Chemistry and Physics, 2011, 131, 18-22.	2.0	9
57	Enhanced refrigerant capacity and magnetic entropy flattening using a two-amorphous $\text{FeZrB}(\text{Cu})$ composite. Applied Physics Letters, 2011, 99, .	1.5	86
58	Research in an emerging "big science" discipline: the case of neutron scattering in Spain. Journal of Radioanalytical and Nuclear Chemistry, 2010, 283, 133-149.	0.7	1
59	Control of crystalline phases in magnetic Fe nanoparticles inserted inside a matrix of porous carbon. Journal of Magnetism and Magnetic Materials, 2010, 322, 1300-1303.	1.0	10
60	Characteristics of the Spanish Neutron User Community Explored through a Bibliometric Study. Neutron News, 2010, 21, 8-10.	0.1	0
61	Microstructure and magnetism of nanoparticles with $\text{Fe}_3\text{O}_4$ core surrounded by $\text{Fe}_2\text{O}_3$ and iron oxide shells. Physical Review B, 2010, 81, .	1.1	34
62	The role of boron on the magneto-caloric effect of $\text{FeZrB}$ metallic glasses. Intermetallics, 2010, 18, 2464-2467.	1.8	31
63	Neutron powder thermo-diffraction in mechanically alloyed $\text{Fe}_{64}\text{Ni}_{36}$ invar alloy. Journal of Alloys and Compounds, 2010, 495, 495-498.	2.8	14
64	Magneto-caloric effect in $\text{FeZrB}$ amorphous alloys near room temperature. Journal of Alloys and Compounds, 2010, 504, S150-S154.	2.8	35
65	Nanocrystalline $\text{Nd}_2\text{Fe}_{17}$ synthesized by high-energy ball milling: crystal structure, microstructure and magnetic properties. Journal of Physics Condensed Matter, 2010, 22, 216005.	0.7	46
66	Nanocrystalline $\text{Pr}_2\text{Fe}_{17}$ studied by neutron powder diffraction. Journal of Physics: Conference Series, 2010, 251, 012012.	0.3	0
67	Magnetocaloric Effect in Nanostructured $\text{Pr}_2\text{Fe}_{17}$ and $\text{Nd}_2\text{Fe}_{17}$ Synthesized by High-Energy Ball-Milling. Acta Physica Polonica A, 2010, 118, 867-869.	0.2	5
68	Stress-induced large Curie temperature enhancement in $\text{Fe}_{64}\text{Ni}_{36}$ alloy. Physical Review B, 2009, 80, .	1.1	65
69	Crystal structure, magnetocaloric effect and magnetovolume anomalies in nanostructured $\text{Pr}_2\text{Fe}_{17}$ . Acta Materialia, 2009, 57, 1724-1733.	3.8	70
70	Nickel nanoparticles deposited into an activated porous carbon: synthesis, microstructure and magnetic properties. Physica Status Solidi - Rapid Research Letters, 2009, 3, 4-6.	1.2	21
71	Crystallization of $\text{Fe}_{75}\text{Zr}_{25}$ metallic glass: a two-step process involving metastable bcc-Fe and polymorphic transformation. Physica Status Solidi - Rapid Research Letters, 2009, 3, 28-30.	1.2	19
72	Stress-induced Curie temperature increase in the $\text{Fe}_{64}\text{Ni}_{36}$ invar alloy. Physica Status Solidi - Rapid Research Letters, 2009, 3, 115-117.	1.2	16

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73	The effect of ball milling in the microstructure and magnetic properties of Pr <sub>2</sub> Fe <sub>17</sub> compound. Journal of Alloys and Compounds, 2009, 483, 682-685.	2.8	12
74	Temperature induced phase transformations and microstructural changes in nanostructured FeCu solid solutions using in situ neutron powder thermo-diffraction. Journal of Alloys and Compounds, 2009, 483, 549-552.	2.8	2
75	Relative cooling power enhancement in magneto-caloric nanostructured Pr <sub>2</sub> Fe <sub>17</sub> . Journal Physics D: Applied Physics, 2008, 41, 192003.	1.3	116
76	Structural and magnetic study of mechanically alloyed Fe <sub>30</sub> Cr <sub>70</sub> by neutron thermo-diffractometry and magnetization measurements. Journal of Non-Crystalline Solids, 2008, 354, 5156-5158.	1.5	5
77	Exchange-bias and superparamagnetic behaviour of Fe nanoparticles embedded in a porous carbon matrix. Journal of Non-Crystalline Solids, 2008, 354, 5219-5221.	1.5	13
78	Microstructural and magnetic characterization of Nd <sub>2</sub> Fe <sub>17</sub> ball milled alloys. Journal of Non-Crystalline Solids, 2008, 354, 5172-5174.	1.5	16
79	Analysis of the diffraction-line broadening on nanostructured Fe: size- and strain effects induced by milling and heating. Journal of Physics Condensed Matter, 2008, 20, 335213.	0.7	44
80	Magnetostatic properties of amorphous and nanostructured Fe <sub>73.5</sub> Si <sub>13.5</sub> B <sub>9</sub> Cu <sub>1</sub> Nb <sub>3</sub> wires. Journal of Non-Crystalline Solids, 2007, 353, 911-913.	1.5	0
81	Kinetics of crystallization of FeB-based amorphous alloys studied by neutron thermo-diffractometry. Journal of Non-Crystalline Solids, 2007, 353, 855-858.	1.5	14
82	Torsion annealing influence on the impedance behaviour in amorphous FeSiB and CoSiB wires. Journal of Non-Crystalline Solids, 2007, 353, 914-918.	1.5	5
83	Low temperature neutron diffraction and magnetization of Fe <sub>25</sub> Cu <sub>75</sub> solid solutions. Journal of Non-Crystalline Solids, 2007, 353, 859-861.	1.5	5
84	AFM investigations during the nanostructure formation in FeZrB alloys. Journal of Non-Crystalline Solids, 2007, 353, 883-887.	1.5	3
85	Martensite-austenite transformation in Fe <sub>80</sub> Ni <sub>20</sub> ball-milled powder. Journal of Magnetism and Magnetic Materials, 2007, 316, 328-331.	1.0	18
86	Torsion-induced magnetoimpedance in nanocrystalline Fe-based wires. Journal of Magnetism and Magnetic Materials, 2007, 316, e915-e918.	1.0	2
87	Mössbauer study of the crystallization products of a Fe <sub>75</sub> Zr <sub>25</sub> amorphous alloy. Hyperfine Interactions, 2007, 165, 161-165.	0.2	2
88	Fe-Rich Wires as Elements for Torsion Sensors Based in Torsion Impedance Effect. Sensor Letters, 2007, 5, 89-92.	0.4	2
89	Synthesis of magnetically separable adsorbents through the incorporation of protected nickel nanoparticles in an activated carbon. Carbon, 2006, 44, 1954-1957.	5.4	57
90	The effect of different annealing treatments on magneto-impedance in Finemet wires. Physica B: Condensed Matter, 2006, 384, 165-168.	1.3	3

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91	Torsion and magnetic field effect in the impedance of FeSiBNbCu soft magnetic amorphous wires. Journal of Magnetism and Magnetic Materials, 2006, 304, e865-e867.	1.0	2
92	Fe70Cr10B20 metallic glass as a new candidate for nuclei of stress and magnetic field sensors. Sensors and Actuators A: Physical, 2006, 129, 66-68.	2.0	2
93	Magnetism and structure of Fe-Cu binary solid solutions obtained by high-energy ball milling. Physica B: Condensed Matter, 2006, 384, 336-340.	1.3	11
94	Soft magnetic properties, magnetoimpedance and torsion-impedance effects in amorphous and nanocrystalline FINEMET alloys: Comparison between ribbons and wires. Physics of Metals and Metallography, 2006, 102, S13-S20.	0.3	10
95	High-frequency magnetoimpedance in amorphous and nanostructured Fe73.5Si13.5B9Cu1Nb3 wires. Journal of Magnetism and Magnetic Materials, 2006, 300, 24-28.	1.0	6
96	Magneto-volume effects in Fe-Cu solid solutions. Journal of Magnetism and Magnetic Materials, 2006, 300, 229-233.	1.0	19
97	Nanostructured Fe obtained by high-energy ball milling. Journal of Magnetism and Magnetic Materials, 2006, 300, e339-e341.	1.0	14
98	Magnetoimpedance effect in Nanoperm alloys. Journal of Magnetism and Magnetic Materials, 2006, 300, e59-e62.	1.0	3
99	Mössbauer study of the crystallization products of a Fe75Zr25 amorphous alloy. , 2006, , 161-165.		0
100	Structure and magnetism of Fe-rich nanostructured Fe-Ni metastable solid solutions. Journal of Magnetism and Magnetic Materials, 2005, 294, 159-164.	1.0	30
101	Low-frequency circumferential magnetization curves in magnetostrictive amorphous wires. Journal of Magnetism and Magnetic Materials, 2005, 294, 202-205.	1.0	1
102	Structural evolution and magnetic properties in Fe70Cr10B20 ribbons. Journal of Magnetism and Magnetic Materials, 2005, 294, e155-e158.	1.0	4
103	Magnetic structure of Fe-based amorphous and thermal annealed microwires. Journal of Magnetism and Magnetic Materials, 2005, 294, e163-e166.	1.0	8
104	Small-angle neutron scattering study of a magnetically inhomogeneous amorphous alloy with reentrant behavior. Physical Review B, 2005, 71, .	1.1	36
105	High-temperature induced ferromagnetism in Fe precipitates in FeCu solid solutions. Physical Review B, 2005, 72, .	1.1	49
106	High-temperature anti-Invar behavior of Fe precipitates in FeCu100 solid solutions: Ferromagnetic phases. Physical Review B, 2005, 72, .	1.1	11
107	Crystallisation and polymorphic transformations in Fe-Zr amorphous alloys obtained by high-energy ball milling. Physica B: Condensed Matter, 2004, 350, E1075-E1077.	1.3	12
108	Neutron powder thermo-diffraction: a very useful tool for the study of crystallisation kinetics and phase segregation in metastable materials. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 1965-1970.	0.8	1

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109	Effect of the wire length on the torsion impedance in Fe-rich wires. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1111-E1112.	1.0	1
110	Temperature-induced structural changes in Fe <sub>50</sub> Cu <sub>50</sub> powders studied by means of in situ neutron thermo-diffraction. Physica B: Condensed Matter, 2004, 350, E1079-E1082.	1.3	2
111	Invar effect in fcc-FeCu solid solutions. Physical Review B, 2004, 69, .	1.1	65
112	Dynamic susceptibility of reentrant Fe-rich inhomogeneous amorphous alloys. European Physical Journal B, 2003, 35, 3-12.	0.6	34
113	Influence of stress relief on hysteretic magnetoimpedance in Co-rich amorphous ribbons at the relaxation frequency. Applied Physics A: Materials Science and Processing, 2003, 77, 135-140.	1.1	14
114	Microstructural study of joule heated nanocrystalline alloys using in situ neutron diffraction. Journal of Magnetism and Magnetic Materials, 2003, 254-255, 504-506.	1.0	4
115	Magnetoimpedance effect in Co-rich metallic glasses. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 183-188.	1.0	6
116	Structural characterisation of soft magnetic nanostructured alloys using AFM and powder diffraction. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 526-528.	1.0	3
117	Reentrant spin-glass behavior in Fe <sub>2</sub> Zr <sub>3</sub> B amorphous alloys. Journal of Non-Crystalline Solids, 2003, 329, 94-99.	1.5	6
118	Giant-magnetoimpedance-based sensitive element as a model for biosensors. Applied Physics Letters, 2003, 82, 3053-3055.	1.5	250
119	Magnetic domains and magnetoimpedance effect during the nanocrystallization of Fe <sub>73.5</sub> Cu <sub>1</sub> Nb <sub>3</sub> Si <sub>16.5</sub> B <sub>6</sub> ribbons. Journal of Non-Crystalline Solids, 2001, 287, 396-400.	1.5	12
120	X-ray magnetic circular dichroism in FeZrB amorphous alloys: the influence of the tensile stress. Journal of Synchrotron Radiation, 2001, 8, 443-445.	1.0	1
121	Correlation between structure, magnetic properties and MI effect during the nanocrystallisation process of FINEMET type alloys. Physica B: Condensed Matter, 2001, 299, 215-224.	1.3	39
122	Joule heating nanocrystallization of FeZrCuB glass studied by neutron diffraction. Physica B: Condensed Matter, 2000, 276-278, 461-462.	1.3	2
123	Mechanical spectroscopy study in commercial grain oriented silicon steel. Journal of Materials Science, 2000, 35, 79-85.	1.7	10
124	Low-temperature magnetic properties of Fe nanograins in an amorphous Fe-Zr-B matrix. Physical Review B, 2000, 61, 6150-6155.	1.1	42
125	Local structure and ferromagnetic character of Fe-B and Fe-P amorphous alloys. Physical Review B, 2000, 62, 5746-5750.	1.1	36
126	Different ferromagnetic character of Fe in FeB and FeP amorphous alloys. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 204-206.	1.0	3



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127	Ferromagnetic resonance and Mössbauer studies of amorphous and nanocrystalline FeZrCuB at various stages in the crystallisation process. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 955-956.	1.0	5
128	Structure of Thermal Treated Mechanically Alloyed Fe <sub>50</sub> Cu <sub>50</sub> Studied by Anomalous Diffraction and EXAFS Spectroscopy. Materials Science Forum, 1998, 269-272, 479-484.	0.3	1
129	Crystal structure and magnetic behaviour of nanocrystalline Fe-Nb-Cu-Si-B alloys studied by means of in situ neutron diffraction. Journal of Physics Condensed Matter, 1998, 10, 5027-5038.	0.7	21
130	Mössbauer Study of FeNbCuSiB Mechanical Alloying Process. Materials Science Forum, 1998, 269-272, 431-436.	0.3	2
131	Nanocrystalline FeNbCuSiB Magnetic Alloys Obtained by Ball Milling. Materials Science Forum, 1997, 235-238, 193-198.	0.3	4
132	Ferromagnetic resonance studies of amorphous and nanocrystalline FeCuNbSiB alloys. Journal of Applied Physics, 1997, 81, 4048-4050.	1.1	13
133	Influence of Fe in giant magnetoresistance ratio and magnetic properties of La <sub>0.7</sub> Ca <sub>0.3</sub> Mn <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> perovskite type compounds. Journal of Applied Physics, 1997, 81, 5767-5769.	1.1	89
134	Magnetic and transport properties of Fe - Zr - B - (Cu) amorphous alloys. Journal of Physics Condensed Matter, 1997, 9, 5671-5685.	0.7	31
135	In situ study of the crystallization process and magnetism in some FeNbSiBCu amorphous alloys. Physica B: Condensed Matter, 1997, 234-236, 418-420.	1.3	2
136	EXAFS and Mössbauer Study of the Crystallization of Fe <sub>91</sub> Zr <sub>9</sub> Metallic Glass. European Physical Journal Special Topics, 1997, 7, C2-1125-C2-1126.	0.2	0
137	Stress and annealing induced changes in the Curie temperature of amorphous and nanocrystalline FeZr and FeNb based alloys. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 203-204.	1.0	9
138	Short-time dynamics on a metallic glass as probed by deep inelastic neutron scattering. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 214, 59-64.	0.9	13
139	Structural and magnetic changes in FeNbCuSiB amorphous alloys during the crystallization process. Journal of Physics Condensed Matter, 1996, 8, 5925-5939.	0.7	47
140	Small-angle neutron scattering behavior of Fe <sub>91</sub> Zr <sub>9</sub> glass under magnetic field. Journal of Applied Physics, 1996, 79, 5146.	1.1	12
141	Tensile stress dependence of the Curie temperature and hyperfine field in Fe-Zr-B-(Cu) amorphous alloys. Physical Review B, 1996, 54, 3026-3029.	1.1	50
142	EXAFS study of short range order in FeZr amorphous alloys. Nuclear Instruments & Methods in Physics Research B, 1995, 97, 206-208.	0.6	7
143	Iron exchange-field penetration into the amorphous interphase of nanocrystalline materials. Physical Review B, 1995, 51, 3281-3284.	1.1	151
144	Influence of boron on the magnetic and transport properties of FeZr amorphous and nanocrystalline alloys. IEEE Transactions on Magnetics, 1994, 30, 4776-4778.	1.2	23

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145	Magnetic interactions in Fe-Zr-B-Cu nanocrystalline materials at elevated temperatures. Physical Review B, 1994, 50, 6465-6467.	1.1	66
146	Influence of the preparation conditions on the magnetic properties and electrical resistivity of Fe <sub>73.5</sub> Nb <sub>3</sub> Cu <sub>1</sub> Si <sub>13.5</sub> B <sub>9</sub> nanocrystalline alloys. Journal of Magnetism and Magnetic Materials, 1994, 133, 314-316.	1.0	15
147	Temperature dependence of the Mössbauer spectra of amorphous and nanocrystallized Fe <sub>86</sub> Zr <sub>7</sub> Cu <sub>1</sub> B <sub>6</sub> . Hyperfine Interactions, 1994, 94, 2199-2205.	0.2	24
148	Resistivity changes of some amorphous alloys undergoing nanocrystallization. Solid State Communications, 1993, 88, 75-80.	0.9	49
149	Magnetic behavior of Fe-Nb and Fe-Zr alloys nanocrystallized by means of flash annealing. Journal of Applied Physics, 1993, 73, 6600-6602.	1.1	42
150	Magnetic and Mossbauer study of amorphous and nanocrystalline Fe <sub>86</sub> Zr <sub>7</sub> Cu <sub>1</sub> B <sub>6</sub> alloys. IEEE Transactions on Magnetics, 1993, 29, 2682-2684.	1.2	30
151	Hydrothermal synthesis of Co nanoparticles: structure, morphology and magnetic properties. Nano, 0, , .	0.5	0