

Luis Fernandez Barquin

List of Publications by Year in descending order

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164
papers

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citations

201575

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165
all docs

165
docs citations

165
times ranked

2698
citing authors

#	ARTICLE	IF	CITATIONS
1	Relating Magnetic Properties and High Hyperthermia Performance of Iron Oxide Nanoflowers. Journal of Physical Chemistry C, 2018, 122, 3068-3077.	1.5	107
2	Interplay between microstructure and magnetism in NiO nanoparticles: breakdown of the antiferromagnetic order. Nanoscale, 2014, 6, 457-465.	2.8	90
3	Cluster-glass percolative scenario in $Ce_{1-x}Ni_x$ studied by very low-temperature ac susceptibility and dc magnetization. Physical Review B, 2007, 76, .	1.1	68
4	Crossover from superspin glass to superferromagnet in $Fe_{x}Ag_{100-x}$ nanostructured thin films (20% $\leq x \leq 50$). Physical Review B, 2010, 82, .	1.1	68
5	Invar effect in fcc-FeCu solid solutions. Physical Review B, 2004, 69, .	1.1	65
6	Stress-induced large Curie temperature enhancement in $Fe_{64}Ni_{36}$ alloy. Physical Review B, 2009, 80, .	1.1	65
7	Resistivity changes of some amorphous alloys undergoing nanocrystallization. Solid State Communications, 1993, 88, 75-80.	0.9	49
8	High-temperature induced ferromagnetism on Fe precipitates in FeCu solid solutions. Physical Review B, 2005, 72, .	1.1	49
9	Configuration of the magnetosome chain: a natural magnetic nanoarchitecture. Nanoscale, 2018, 10, 7407-7419.	2.8	47
10	Nonlinear susceptibilities as a probe to unambiguously distinguish between canonical and cluster spin glasses. Physical Review B, 2012, 86, .	1.1	43
11	Scrutinizing the role of size reduction on the exchange bias and dynamic magnetic behavior in NiO nanoparticles. Nanotechnology, 2015, 26, 305705.	1.3	43
12	Low-temperature magnetic properties of Fe nanograins in an amorphous Fe-Zr-B matrix. Physical Review B, 2000, 61, 6150-6155.	1.1	42
13	Distribution functions of magnetic nanoparticles determined by a numerical inversion method. New Journal of Physics, 2017, 19, 073012.	1.2	42
14	Structural and magnetic properties of multi-core nanoparticles analysed using a generalised numerical inversion method. Scientific Reports, 2017, 7, 45990.	1.6	41
15	Dipolar-coupled moment correlations in clusters of magnetic nanoparticles. Physical Review B, 2018, 98, .	1.1	37
16	Magnetotactic bacteria for cancer therapy. Journal of Applied Physics, 2020, 128, .	1.1	37
17	Small-angle neutron scattering study of a magnetically inhomogeneous amorphous alloy with reentrant behavior. Physical Review B, 2005, 71, .	1.1	36
18	Title is missing!. Journal of Materials Science Letters, 1997, 16, 1237-1239.	0.5	35

#	ARTICLE	IF	CITATIONS
19	Magneto-caloric effect in FeZrB amorphous alloys near room temperature. Journal of Alloys and Compounds, 2010, 504, S150-S154.	2.8	35
20	Dynamic susceptibility of reentrant Fe-rich inhomogeneous amorphous alloys. European Physical Journal B, 2003, 35, 3-12.	0.6	34
21	Supraferromagnetic correlations in clusters of magnetic nanoflowers. Applied Physics Letters, 2019, 115, .	1.5	34
22	Magnetic and transport properties of Fe - Zr - B - (Cu) amorphous alloys. Journal of Physics Condensed Matter, 1997, 9, 5671-5685.	0.7	31
23	Self-propagating high-temperature synthesis of barium-chromium ferrites BaFe _{12-x} Cr _x O ₁₉ (0 ≤ x ≤ 6.0). Journal Physics D: Applied Physics, 1999, 32, 2590-2598.	1.3	31
24	The role of boron on the magneto-caloric effect of FeZrB metallic glasses. Intermetallics, 2010, 18, 2464-2467.	1.8	31
25	Self-Propagating High Temperature Synthesis of Hexagonal Ferrites MFe ₁₂ O ₁₉ (M = Sr, Ba). Advanced Materials, 1997, 9, 643-645.	11.1	30
26	Thermoelastic martensitic transformation in ferromagnetic Ni-Fe-Al alloys: Effect of site disorder. Applied Physics Letters, 2006, 89, 093119.	1.5	29
27	Magnetization reversal in circular vortex dots of small radius. Nanoscale, 2017, 9, 11269-11278.	2.8	29
28	Cluster-glass dynamics of the Griffiths phase in $Tb_{1-x}Mn_xO_5$. Physical Review B, 2019, 99, .		
29	Size-induced superantiferromagnetism with reentrant spin-glass behavior in metallic nanoparticles of TbCu ₂ . Physical Review B, 2013, 87, .	1.1	26
30	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
31	Role of disorder and competing ferromagnetic and antiferromagnetic interactions in the magnetic, electrical, and dynamic properties of La _{0.7} Pb _{0.3} (Mn _{1-x} Fe _x)O ₃ and La _{0.7} Pb _{0.3} Mn _{0.8} Fe _{0.2} O ₃ manganites. Physical Review B, 2006, 73, .		25
32	Structural and magnetoresistive properties of mechanically alloyed Fe-Co-Ag. Journal of Physics Condensed Matter, 1999, 11, 8839-8853.	0.7	24
33	The effect of large magnetic fields on solid state combustion reactions: novel microstructure, lattice contraction and reduced coercivity in barium hexaferrite. Journal of Materials Chemistry, 2000, 10, 235-237.	6.7	24
34	Self-propagating high temperature synthesis of MFe ₁₂ O ₁₉ (M=Sr,Ba) from the reactions of metal superoxides and iron metal. Journal of Materials Processing Technology, 2001, 110, 239-243.	3.1	24
35	Size effects in the magnetic behaviour of TbAl ₂ milled alloys. Journal of Physics Condensed Matter, 2007, 19, 186214.	0.7	24
36	Observation of isotropic-dipolar to isotropic-Heisenberg crossover in Co- and Ni-substituted manganites. New Journal of Physics, 2010, 12, 093039.	1.2	24

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37	Interfacial magnetic coupling between Fe nanoparticles in Fe–Ag granular alloys. <i>Nanotechnology</i> , 2012, 23, 025705.	1.3	24
38	Magnetic Study of Co-Doped Magnetosome Chains. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7541-7550.	1.5	24
39	Influence of boron on the magnetic and transport properties of FeZr amorphous and nanocrystalline alloys. <i>IEEE Transactions on Magnetics</i> , 1994, 30, 4776-4778.	1.2	23
40	Influence of the bacterial growth phase on the magnetic properties of magnetosomes synthesized by <i>Magnetospirillum gryphiswaldense</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1507-1514.	1.1	23
41	Magnetic Nanoparticles, Synthesis, Properties, and Applications. , 2018, , 1-40.		23
42	Microstructural-defect-induced Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2019, 99, .	1.1	23
43	Magnetic relaxation in the nanoscale granular alloy Fe ₂₀ Cu ₂₀ Ag ₆₀ . <i>Physical Review B</i> , 2001, 64, .	1.1	22
44	Reduction of the Yb valence in YbAl_3 . <i>Physical Review B</i> , 2008, 78, .	3.1	22
45	Dye-doped biodegradable nanoparticle SiO ₂ coating on zinc- and iron-oxide nanoparticles to improve biocompatibility and for <i>in vivo</i> imaging studies. <i>Nanoscale</i> , 2020, 12, 6164-6175.	2.8	22
46	Convenient, low energy routes to hexagonal ferrites MFe ₁₂ O ₁₉ (M=Sr, Ba) from SHS reactions of iron, iron oxide and MO ₂ in air. <i>Journal of Materials Chemistry</i> , 1998, 8, 573-578.	6.7	21
47	Crystal structure and magnetic behaviour of nanocrystalline Fe-Nb-Cu-Si-B alloys studied by means of neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 5027-5038.	0.7	21
48	Combustion synthesis of chromium-substituted lithium ferrites Li _{0.5} Fe _{2.5-x} Cr _x O ₄ (x=0.2, 0.4): Rietveld analysis and magnetic measurements. <i>Solid State Sciences</i> , 1999, 1, 311-316.	0.8	21
49	Sodium borohydride reduction of aqueous iron–zirconium solutions: chemical routes to amorphous and nanocrystalline Fe–Zr–B alloys. <i>Journal of Materials Chemistry</i> , 1999, 9, 2537-2544.	6.7	21
50	Interfacial exchange pinning in amorphous iron-boron nanoparticles. <i>Physical Review B</i> , 2004, 69, .	1.1	21
51	1-Ethyl-2,3-dimethylimidazolium paramagnetic ionic liquids with 3D magnetic ordering in its solid state: synthesis, structure and magneto-structural correlations. <i>RSC Advances</i> , 2015, 5, 60835-60848.	1.7	21
52	Non-dipolar magnetic coupling in a strongly interacting superparamagnet: nanogranular Fe ₂₆ Cu ₈ Ag ₆₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 266, 131-141.	1.0	20
53	Phonon softening on the specific heat of nanocrystalline metals. <i>Nanotechnology</i> , 2010, 21, 445702.	1.3	20
54	Magnetic and nuclear structure of the perovskite-like oxides (LaBi) _{0.7} Ca _{0.3} MnO ₃ . <i>Physica B: Condensed Matter</i> , 2000, 276-278, 718-719.	1.3	19

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55	Magneto-volume effects in Fe-Cu solid solutions. Journal of Magnetism and Magnetic Materials, 2006, 300, 229-233.	1.0	19
56	Synthesis of superparamagnetic iron(III) oxide nanowires in double-walled carbon nanotubes. Chemical Communications, 2009, , 6664.	2.2	19
57	YbNi ₂ : A heavy fermion ferromagnet. Solid State Communications, 2012, 152, 1834-1837.	0.9	19
58	Magnetic induction heating as a new tool for the synthesis of Fe ₃ O ₄ -TiO ₂ nanoparticle systems. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	19
59	Improved photocatalytic and antibacterial performance of Cr doped TiO ₂ nanoparticles. Surfaces and Interfaces, 2021, 22, 100867.	1.5	19
60	Chemical reduction synthesis of fine particle FeZrB alloys under aerobic and anaerobic conditions. Journal of Non-Crystalline Solids, 1999, 244, 44-54.	1.5	18
61	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
62	Non-linear ac susceptibility behaviour of collective dynamics in heterogeneous nanomagnetic systems. Journal of Physics: Conference Series, 2005, 17, 87-100.	0.3	17
63	Electrical resistivity between 10 and 1000 K of ferromagnetic Co ₇₅ Si ₂₅ ^x B _x and Co ₁₀₀ ^x (Si _{0.6} B _{0.4}) _x amorphous ribbons. Journal of Applied Physics, 1990, 68, 4610-4616.	1.1	16
64	Thermal and magnetic behavior of a nanocrystalline Fe(Ni,Co) based alloy. Journal of Non-Crystalline Solids, 2007, 353, 865-868.	1.5	16
65	Influence of the preparation conditions on the magnetic properties and electrical resistivity of Fe _{73.5} Nb ₃ Cu ₁ Si _{13.5} B ₉ nanocrystalline alloys. Journal of Magnetism and Magnetic Materials, 1994, 133, 314-316.	1.0	15
66	Moment canting and structural anisotropy in amorphous alloys: experiments using synchrotron Mössbauer radiation. Journal of Non-Crystalline Solids, 2001, 287, 81-87.	1.5	15
67	Intrinsic magnetic relaxation in goethite. Physical Review B, 2012, 85, .	1.1	15
68	Magnetic phase diagram of superantiferromagnetic TbCu ₂ nanoparticles. Journal of Physics Condensed Matter, 2015, 27, 496002.	0.7	15
69	ELECTRON-ELECTRON INTERACTION, QUANTUM INTERFERENCE AND SPIN FLUCTUATION EFFECTS IN THE RESISTIVITY OF Fe-RICH Fe-Zr METALLIC GLASSES. International Journal of Modern Physics B, 1999, 13, 141-159.	1.0	14
70	Nanoscale alloys prepared by sodium borohydride reduction of aqueous Fe-Cu and Co-Cu solutions. Journal of Magnetism and Magnetic Materials, 2003, 254-255, 14-16.	1.0	14
71	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
72	Magnetic disorder in diluted Fe _x M _{100-x} granular thin films (M=Au, Ag, Cu; x<10 at.%). Journal of Physics Condensed Matter, 2013, 25, 276001.	0.7	13

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73	Magnetic, Structural, and Particle Size Analysis of Single- and Multi-Core Magnetic Nanoparticles. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	13
74	Disentangling magnetic core/shell morphologies in Co-based nanoparticles. Journal of Materials Chemistry C, 2016, 4, 2302-2311.	2.7	13
75	Interacting Superparamagnetic Iron(II) Oxide Nanoparticles: Synthesis and Characterization in Ionic Liquids. Inorganic Chemistry, 2016, 55, 865-870.	1.9	13
76	Small-angle neutron scattering behavior of Fe ₉₁ Zr ₉ glass under magnetic field. Journal of Applied Physics, 1996, 79, 5146.	1.1	12
77	Survey of conditions to produce metal-boron amorphous and nanocrystalline alloys by chemical reduction. Journal of Non-Crystalline Solids, 2001, 287, 20-25.	1.5	12
78	Evolution of the Electrical Resistivity during the Crystallization of Co-Si-B Glasses. Physica Status Solidi A, 1996, 155, 439-450.	1.7	11
79	Neutron spin echo evidence of mesoscopic spin correlations among Fe(Cu) ferromagnetic nanoparticles in a silver diamagnetic matrix. Physical Review B, 2007, 76, .	1.1	11
80	Breakdown of magnetism in sub-nanometric Ni clusters embedded in Ag. Nanotechnology, 2015, 26, 455703.	1.3	11
81	Structure and spin glass behavior in La _{0.77} Mg _{0.23-δ} MnO ₃ (0 δ \leq 0.2) manganites. Journal of Alloys and Compounds, 2018, 738, 528-539.	2.8	11
82	Probing the stability and magnetic properties of magnetosome chains in freeze-dried magnetotactic bacteria. Nanoscale Advances, 2020, 2, 1115-1121.	2.2	11
83	Spin fluctuation effects in, and quantum corrections to, the conductivity of Fe _{90+x} Zr _{10-x} (x=0, 1) metallic glasses. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 295-296.	1.0	10
84	Probing magnetic phase separation in manganites by nonlinear susceptibility. Physica B: Condensed Matter, 2014, 448, 223-225.	1.3	10
85	Magnetic nanoscopic correlations in the crossover between a superspin glass and a superferromagnet. Journal of Applied Physics, 2016, 119, .	1.1	10
86	Investigating the Size and Microstrain Influence in the Magnetic Order/Disorder State of GdCu ₂ Nanoparticles. Nanomaterials, 2020, 10, 1117.	1.9	10
87	Controlled Magnetic Anisotropy in Single Domain Mn-doped Biosynthesized Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 22827-22838.	1.5	9
88	Nanoflowers Versus Magnetosomes: Comparison Between Two Promising Candidates for Magnetic Hyperthermia Therapy. IEEE Access, 2021, 9, 99552-99561.	2.6	9
89	Electrical resistivity of Fe-Zr glasses from 4.2 to 1100 K. Journal of Magnetism and Magnetic Materials, 1994, 133, 82-85.	1.0	8
90	Tuning the structure and magnetic behavior of Ni-Ir-based nanoparticles in ionic liquids. Physical Chemistry Chemical Physics, 2018, 20, 10247-10257.	1.3	8

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91	Magnetic structure factor of correlated moments in small-angle neutron scattering. <i>Physical Review B</i> , 2020, 101, .	1.1	8
92	EXAFS study of short range order in FeZr amorphous alloys. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 97, 206-208.	0.6	7
93	Thermoremanence anomaly in Fe-Zr(B,Cu) Invar metallic glasses: Volume expansion induced ferromagnetism. <i>Physical Review B</i> , 2000, 61, 3219-3222.	1.1	7
94	Exploring the Different Degrees of Magnetic Disorder in Tb _x R _{1-x} Cu ₂ Nanoparticle Alloys. <i>Nanomaterials</i> , 2020, 10, 2148.	1.9	7
95	Magnetic contribution to the electrical resistivity in some Co based amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1990, 83, 357-359.	1.0	6
96	Magnetic structures and cerium moment reduction in the Ce _{Ni_xPt_{1-x}} ferromagnetic Kondo lattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 108, 51-52.	1.0	6
97	Annealing and magnetic field effects on the resistivity of Fe-rich Fe _{1-x} Zr glasses. <i>Solid State Communications</i> , 1997, 102, 353-357.	0.9	6
98	Reentrant spin-glass behavior in Fe ₂ Zr ₂ B amorphous alloys. <i>Journal of Non-Crystalline Solids</i> , 2003, 329, 94-99.	1.5	6
99	X-ray absorption analysis of core/shell magnetic (Fe,Co) _n B nanoparticles of amorphous and crystalline structure obtained by chemical reduction. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 733-737.	1.5	6
100	Spin disorder in Fe-doped manganites. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 757-762.	1.5	6
101	Structural and magnetic anisotropy in amorphous alloy ribbons. <i>Journal of Physics Condensed Matter</i> , 1997, 9, L375-L383.	0.7	5
102	Spin-glass like behaviour in Fe-containing manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E983-E985.	1.0	5
103	Unconventional superconductivity in LaAg _{1-x} Mn _x : Relevance of spin-fluctuation-mediated pairing. <i>Europhysics Letters</i> , 2006, 74, 138-144.	0.7	5
104	Spin-glass behavior of mechanically milled. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, e506-e508.	1.0	5
105	Heat capacity of nanocrystalline Yb ₂ O ₃ . <i>Ceramics International</i> , 2022, 48, 879-886.	2.3	5
106	Magnetic small-angle neutron scattering on bulk metallic glasses: A feasibility study for imaging displacement fields. <i>Physical Review Materials</i> , 2017, 1, .	0.9	5
107	Study of the low-temperature resistivity behavior in Co-Si-B metallic glasses: magnetic and neutron diffraction characterization. <i>Journal of Magnetism and Magnetic Materials</i> , 1991, 101, 52-54.	1.0	4
108	Magnetic structures and cerium moment reduction in the Ce _{Ni_xPt_{1-x}} ferromagnetic Kondo lattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 112, 51-57.	1.0	4

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109	Low-frequency ac electrical resistivity of liquid gallium and its relationship with the dynamic structure factor. <i>Physical Review E</i> , 1994, 50, 1341-1348.	0.8	4
110	A comparative study of the crystallization of Co _{1-x} Si _x B metallic glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 160, 297-298.	1.0	4
111	Inhomogeneous spin glass and mixed phases in cerium compounds. <i>Journal of Non-Crystalline Solids</i> , 2001, 287, 318-323.	1.5	4
112	Magnetic properties of nanoscale Fe _x Cu _x Ag _{100-2x} (x=15, 35) granular alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 254-255, 79-81.	1.0	4
113	Microstructural study of joule heated nanocrystalline alloys using in situ neutron diffraction. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 254-255, 504-506.	1.0	4
114	Antiferromagnetic-spin-fluctuation-mediated pairing as a likely mechanism for unconventional superconductivity in LaAg _{1-x} Mn _x alloys. <i>Journal of Applied Physics</i> , 2009, 105, 073901.	1.1	4
115	Magnetic Properties of TbAl ₂ Nanometric Alloys. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 7482-7485.	0.9	4
116	Magnetic disorder in TbAl ₂ nanoparticles. <i>Materials Research Express</i> , 2015, 2, 075001.	0.8	4
117	Surfactant-assisted production of TbCu ₂ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	4
118	Identifying the presence of magnetite in an ensemble of iron-oxide nanoparticles: a comparative neutron diffraction study between bulk and nanoscale. <i>Nanoscale Advances</i> , 2021, 3, 3491-3496.	2.2	4
119	Observation of surface magnons and crystalline electric field shifts in superantiferromagnetic NdCu ₂ . <i>Physical Review B</i> , 2021, 104, .	1.1	4
120	Influence of the Si Substrate on the Transport and Magnetotransport Properties of Nanostructured Fe-Ag Thin Films. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2784-2787.	1.2	3
121	Influence of the interface on the electronic channel switching of a Fe/Ag thin film on a Si substrate. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	3
122	Collective magnetic behaviors of Fe/Ag nanostructured thin films above the percolation limit. <i>Journal of Applied Physics</i> , 2009, 105, 07B513.	1.1	3
123	Magnetization and specific heat of nanocrystalline rare-earth TbAl ₂ , TbCu ₂ and GdAl ₂ alloys. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072080.	0.3	3
124	Scrutinising magnetic disorder through metastable 3d- and 4f-nanostructured alloys. <i>Journal of Alloys and Compounds</i> , 2012, 536, S259-S264.	2.8	3
125	Dynamics of AC susceptibility and coercivity behavior in nanocrystalline TbAl _{1.5} Fe _{0.5} alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 326, 58-65.	1.0	3
126	On the exchange bias effect in NiO nanoparticles with a core(antiferromagnetic)/shell (spin glass) morphology. <i>Journal of Physics: Conference Series</i> , 2015, 663, 012001.	0.3	3

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127	Breakdown of the coherence effects and Fermi liquid behavior in YbAl ₃ nanoparticles. Journal of Physics Condensed Matter, 2018, 30, 135604.	0.7	3
128	Kondo temperature and Heavy Fermion behavior in Yb _{1-x} YxCuAl series of alloys. Physica B: Condensed Matter, 2018, 536, 176-181.	1.3	3
129	Modifying the magnetic response of magnetotactic bacteria: incorporation of Gd and Tb ions into the magnetosome structure. Nanoscale Advances, 2022, 4, 2649-2659.	2.2	3
130	A study of the structural changes in Co-Si-B glasses by neutron diffraction. Journal of Physics Condensed Matter, 1994, 6, 1645-1652.	0.7	2
131	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
132	Electrical resistivity of reentrant spin glass Fe ₉₁ Zr ₉ under pressure. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 148-150.	1.0	2
133	Joule heating nanocrystallization of FeZrCuB glass studied by neutron diffraction. Physica B: Condensed Matter, 2000, 276-278, 461-462.	1.3	2
134	Relationship between the nanostructure of Co ₁₅ Cu ₈₅ melt-spun alloys and the AC-susceptibility behaviour. Journal of Magnetism and Magnetic Materials, 2003, 262, 97-101.	1.0	2
135	Local magnetism in the nanoscale granular alloy. Physica B: Condensed Matter, 2006, 374-375, 67-70.	1.3	2
136	Exchange-enhanced spin fluctuations in a new unconventional superconductor. Journal of Magnetism and Magnetic Materials, 2007, 310, e313-e315.	1.0	2
137	Dynamics of the Magnetic Susceptibility of Fe _x Al _{100-x} ($x = 70, 71$) Alloys. IEEE Transactions on Magnetics, 2008, 44, 3883-3886.	1.2	2
138	Correlation between site preference of ternary Mn addition in LaAg and superconductivity. Journal of Applied Physics, 2008, 104, 013920.	1.1	2
139	Critical current density and flux pinning in an unconventional superconductor. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 374, 335-338.	0.9	2
140	Neutron Powder Diffraction study of the Magnetic Ionic Liquid Emim[FeCl ₄] and its deuterated phase. Journal of Physics: Conference Series, 2015, 663, 012008.	0.3	2
141	Magnetic behavior of the nanophase of YbNi ₂ alloys. Physics of Metals and Metallography, 2017, 118, 341-345.	0.3	2
142	Magnetic clusters on the verge of long range ferromagnetism in Lu(Fe _{0.75} Al _{0.25}) ₂ and Lu(Fe _{0.50} Al _{0.50}) ₂ alloys. Journal of Alloys and Compounds, 2017, 695, 704-714.	2.8	2
143	Coexistence of ferromagnetism and spin glass state in YbNi ₂ nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 475, 264-270.	1.0	2
144	Magnetic order and disorder environments in superantiferromagnetic NdCu_2 nanoparticles. Scientific Reports, 2022, 12, .	1.6	2

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145	Electrical resistivity in Co-Si-B amorphous compounds: appraisal of the structural and magnetic contributions. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 97-99.	1.0	1
146	Static and dynamic magnetic properties of mechanically alloyed Fe ₉ Cu ₅ Ag ₈₆ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1177-E1179.	1.0	1
147	The role of disorder in Fe-doped CMR manganites as explored by spectroscopy. Physica B: Condensed Matter, 2006, 374-375, 63-66.	1.3	1
148	The role of the interface on the magnetic behaviour of granular Fe ₅₀ Ag ₅₀ film. Journal of Magnetism and Magnetic Materials, 2007, 310, 2510-2512.	1.0	1
149	SANS evidence of magnetic correlations among nanoparticles in granular. Journal of Magnetism and Magnetic Materials, 2007, 310, 2518-2520.	1.0	1
150	Spin relaxation in nanophased manganites. Journal of Non-Crystalline Solids, 2008, 354, 5258-5260.	1.5	1
151	Antiferromagnetic behaviour of Tb ₂ Al alloy. Journal of Physics: Conference Series, 2011, 325, 012023.	0.3	1
152	Poly(methyl methacrylate) Coating of Soft Magnetic Amorphous and Crystalline Fe,Co-B Nanoparticles by Chemical Reduction. Journal of Nanoscience and Nanotechnology, 2012, 12, 1843-1851.	0.9	1
153	Revealing a masked Verwey transition in nanoparticles of coexisting Fe-oxide phases. RSC Advances, 2021, 11, 390-396.	1.7	1
154	Influence of Anomalous Changes in the Crystal Structure on the Transport Properties of YbNi _{1-x} Cu _x Al Series of Alloys. Materials, 2022, 15, 1688.	1.3	1
155	Suppression of ferromagnetic order in CuO/Cu ₂ O nanocomposites. Materials Today Communications, 2022, 32, 104038.	0.9	1
156	Synthesis of Amorphous Fe-Zr-B by Chemical Reduction. Journal of Materials Science Letters, 1999, 18, 425-426.	0.5	0
157	Structural, Magnetic and Transport Properties of Ni-Fe-Al Alloys. Materials Science Forum, 2009, 635, 111-116.	0.3	0
158	Correction to "Influence of the Si Substrate on the Transport and Magnetotransport Properties of Nanostructured Fe-Ag Thin Films" [Nov 09 2784-2787]. IEEE Transactions on Magnetism, 2009, 45, 3365-3365.	1.2	0
159	Magnetic disorder in nanostructured Fe ₇ Au ₉₃ films and Fe ₁₄ Au ₈₆ powders. Journal of Physics: Conference Series, 2010, 200, 072028.	0.3	0
160	Spin Glass Behaviour in Fe-substituted LPMO Manganite. , 2011, , .		0
161	Spin Dynamics of the Low-Temperature Magnetic Relaxation in Disordered Fe ₃₅ Al ₅₀ B ₁₅ Alloys. IEEE Transactions on Magnetism, 2014, 50, 1-5.	1.2	0
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