Lotfi Bessais

List of Publications by Year in descending order

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220	3,926	147801	168389
papers	citations	31 h-index	53 g-index

236	236	236	2637
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A dynamic study of small interacting particles: superparamagnetic model and spin-glass laws. Journal of Physics C: Solid State Physics, 1988, 21, 2015-2034.	1.5	580
2	Magnetic and spectroscopic properties of Niâ€“Znâ€“Al ferrite spinel: from the nanoscale to microscale. RSC Advances, 2020, 10, 34556-34580.	3.6	149
3	Magnetic, electric and thermal properties of cobalt ferrite nanoparticles. Materials Research Bulletin, 2014, 59, 49-58.	5.2	116
4	Structure and magnetic properties of nanocrystallineSm(Fe1â^'xCox)11Ti(x<~2). Physical Review B, 2001, 63, .	3.2	93
5	Structural and magnetic properties of magnetocaloric LaFe13â€“xSix compounds synthesized by high energy ball-milling. Intermetallics, 2010, 18, 2301-2307.	3.9	93
6	SiO2 nanoparticles addition effect on microstructure and pinning properties in YBa2Cu3Oy. Ceramics International, 2014, 40, 4953-4962.	4.8	86
7	Relaxation time of fine magnetic particles in uniaxial symmetry. Physical Review B, 1992, 45, 7805-7815.	3.2	83
8	Superconducting properties of polycrystalline YBa2Cu3O7 â€“ d prepared by sintering of ball-milled precursor powder. Ceramics International, 2014, 40, 1461-1470.	4.8	72
9	Synthesis of magnetite nanoparticles in the presence of aminoacids. Journal of Nanoparticle Research, 2006, 8, 1045-1051.	1.9	58
10	Emergence of order in nanocrystalline SmFe9. Journal of Magnetism and Magnetic Materials, 2000, 210, 81-87.	2.3	57
11	Investigation of the structural, optical, elastic and electrical properties of spinel LiZn₂Fe₃O₈ nanoparticles annealed at two distinct temperatures. RSC Advances, 2019, 9, 40940-40955.	3.6	56
12	Semi-hard magnetic properties of nanoparticles of cobalt ferrite synthesized by the co-precipitation process. Journal of Alloys and Compounds, 2017, 694, 1295-1301.	5.5	55
13	Crystallographic and magnetic study of metastable nanocrystallineSm(Fe,Si)9. Physical Review B, 2003, 68, .	3.2	54
14	Structural, magnetic, and electronic properties of high moment FeCo nanoparticles. Journal of Alloys and Compounds, 2014, 591, 58-64.	5.5	50
15	Investigation of annealing effects on the physical properties of Ni_{0.6}Zn_{0.4}Fe_{1.5}Al_{0.5}O₄ ferrite. RSC Advances, 2019, 9, 19949-19964.	3.6	50
16	Large magnetoelectric response and its origin in bulk Co-doped BiFeO3 synthesized by a stirred hydrothermal process. Acta Materialia, 2018, 145, 316-321.	7.9	48
17	Hard magneticSm(Fe,Si)9carbides: Structured and magnetic properties. Physical Review B, 2004, 69, .	3.2	46
18	Rare-earth iron-based intermetallic compounds and their carbides: Structure and magnetic behaviors. Journal of Magnetism and Magnetic Materials, 2010, 322, 224-229.	2.3	46

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19	Structure and magnetic properties of nanocrystalline PrCo3. Journal of Applied Physics, 2010, 107, .	2.5	44
20	Correlation between Sm2(Fe,Ga)17 and its precursor Sm(Fe,Ga)9. Journal of Applied Physics, 2005, 97, 013902.	2.5	42
21	Structure and hyperfine properties ofSm2(Fe,Si)17. Physical Review B, 2001, 65, .	3.2	41
22	Influence of Al substitution on magnetocaloric effect of Pr2Fe17â^'xAlx. Journal of Alloys and Compounds, 2014, 588, 64-69.	5.5	41
23	Investigation on structural and magnetocaloric properties of LaFe13â^'Si (H,C) compounds. Journal of Solid State Chemistry, 2016, 233, 95-102.	2.9	41
24	Route to high coercivity inPr40Fe30Co15Al10B5. Physical Review B, 2004, 70, .	3.2	40
25	Effect of annealing on structural and magnetic properties of Pr2Co7 compounds. Journal of Alloys and Compounds, 2012, 522, 14-18.	5.5	40
26	High coercivity in nanocrystalline carbides Sm(Fe,Ga)9C. Applied Physics Letters, 2005, 87, 192503.	3.3	38
27	Study of the first paramagnetic to ferromagnetic transition in as prepared samples of Mnâ€"Feâ€"Pâ€"Si magnetocaloric compounds prepared by different synthesis routes. Journal of Magnetism and Magnetic Materials, 2016, 400, 333-338.	2.3	38
28	Structural, magnetic, magnetocaloric and electrical studies of Dy0.5(Sr1â^'xCax)0.5MnO3 manganites. Journal of Magnetism and Magnetic Materials, 2017, 444, 270-279.	2.3	35
29	Structural, elastic, optical and dielectric properties of Li0.5Fe2.5 O4 nanopowders with different particle sizes. Advanced Powder Technology, 2020, 31, 4714-4730.	4.1	35
30	Magnetic properties of nanostructured Fe92P8 powder mixture. Journal of Alloys and Compounds, 2009, 471, 24-27.	5.5	34
31	Structure and magnetic properties of nanocrystalline Sm1â^'s(Fe,Mo)5+2s. Journal of Applied Physics, 2009, 105, .	2.5	33
32	Influence of neodymium substitution on structural, magnetic and spectroscopic properties of Niâ€"Znâ€"Al nano-ferrites. RSC Advances, 2021, 11, 13256-13268.	3.6	33
33	Crystallographic and hyperfine parameters ofPrTi(Fe,Co)11and their carbides. Physical Review B, 2002, 66, .	3.2	31
34	X-ray and intrinsic magnetic properties of nanocrystalline Sm2(Fe,M)17 (MÂ=ÂSi, Ga, Co, Cr, Zr or Mo). Intermetallics, 2011, 19, 997-1004.	3.9	30
35	Effect of the milling conditions on the formation of nanostructured Feâ€"Co powders. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1641-1646.	1.8	29
36	Structural, atomic Hirschfeld surface, magnetic and magnetocaloric properties of SmNi5 compound. Journal of Alloys and Compounds, 2016, 672, 440-448.	5.5	28

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37	Magnetocaloric properties and Landau theory of Dy 0.5 (Sr 1â˜'x Ca x) 0.5 MnO 3 (0 â‰¤ x â‰¤ 0.3) manganites at cryogenic temperatures. Chemical Physics Letters, 2017, 680, 94-100.	2.6	28
38	Resistivity, Iâ€“V characteristics and Hall effect in Dy0.5(Sr1-xCax)0.5MnO3 manganites. Materials Research Bulletin, 2017, 95, 525-531.	5.2	28
39	Series expansions for the magnetisation of a solid superparamagnetic system of non-interacting particles with anisotropy. Journal of Magnetism and Magnetic Materials, 1999, 202, 554-564.	2.3	27
40	Thermal Evolution of Cation Distribution/Crystallite Size and Their Correlation with the Magnetic State of Yb-Substituted Zinc Ferrite Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 12358-12365.	3.1	27
41	Static and dynamic properties of small ferromagnetic particles: Comparison with spin-glass behaviour. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 173-174.	2.3	26
42	Magnetocaloric effect in CoEr2 intermetallic compound. Journal of Magnetism and Magnetic Materials, 2017, 444, 106-110.	2.3	26
43	Effect of synthesis route on structural, magnetic and magnetocaloric aspects and critical behavior of La0.6Ca0.3Ag0.1MnO3. Journal of Alloys and Compounds, 2018, 753, 282-291.	5.5	26
44	Impact of particle size on the structural and smagnetic properties of superparamagnetic Li-ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2021, 528, 167806.	2.3	26
45	Magnetic properties and magneto-caloric effect in pseudo-binary intermetallic (Pr,Dy)2Fe17. Journal of Alloys and Compounds, 2013, 579, 156-159.	5.5	24
46	Structural, magnetic, magneto-caloric and MÃ¶ssbauer spectral study of Tb2Fe17 compound synthesized by arc melting. Journal of Solid State Chemistry, 2016, 238, 15-20.	2.9	24
47	Magnetic properties and magnetocaloric effect in amorphous Co35Er65 ribbon. Journal of Magnetism and Magnetic Materials, 2014, 369, 92-95.	2.3	23
48	Prediction of magnetocaloric effect in La0.6Ca0.4â˜'xSrxMnO3 compounds for x=0, 0.05 and 0.4 with phenomenological model. Ceramics International, 2016, 42, 697-704.	4.8	23
49	First principle investigation on hydrogen solid storage in Zr1-xNbxNiH3 (x = 0 and 0.1). International Journal of Hydrogen Energy, 2019, 44, 23188-23195.	7.1	23
50	Microstructure and magnetic properties of uncoupled Sm2Co17â€“Cu nanocomposites. Applied Physics Letters, 2002, 80, 1960-1962.	3.3	22
51	The isothermal section phase diagram of the Sm-Fe-Ni ternary system at 800ÂÂ°C. Journal of Alloys and Compounds, 2016, 661, 508-515.	5.5	21
52	Structural, magnetic and AC susceptibility properties of Dy0.5(Sr1-xCax)0.5MnO3 (0 â‰¤ x â‰¤ 0.3) manganites. Journal of Molecular Structure, 2019, 1175, 844-851.	3.6	21
53	Correlation between magnetic and electric properties of La 0.5 Ca 0.3 Ag 0.2 MnO 3 based on critical behavior of resistivity. Ceramics International, 2016, 42, 10405-10409.	4.8	19
54	Controllable synthesis, XPS investigation and magnetic property of multiferroic BiMn2O5 system: The role of neodyme doping. Progress in Natural Science: Materials International, 2019, 29, 198-209.	4.4	19

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55	X-ray and MÃ¶ssbauer studies of Sm2Fe17â^'xCrx materials synthesized by mechanical alloying followed by an appropriate short annealing. Journal of Alloys and Compounds, 2003, 351, 24-30.	5.5	18
56	Impact of carbon insertion on the microstructure and magnetic properties of nanocrystalline Pr2Co7 alloys. Journal of Alloys and Compounds, 2013, 576, 415-423.	5.5	17
57	Intrinsic and extrinsic magnetic properties of nanocrystalline Pr₂(Co,Fe)₇. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 910-916.	1.8	17
58	Influence of Fe-substitution on structural, magnetic and magnetocaloric properties of Nd2Fe17-Co solid solutions. Journal of Solid State Chemistry, 2018, 258, 501-509.	2.9	17
59	Random anisotropy studies in amorphous Coâ€“Erâ€“B ribbons. Journal of Non-Crystalline Solids, 2011, 357, 28-30.	3.1	16
60	Correlation between the nanocrystalline Sm(Fe,Mo)12 and its out of equilibrium phase Sm(Fe,Mo)10. Journal of Magnetism and Magnetic Materials, 2014, 363, 125-132.	2.3	16
61	Nanocrystalline precipitates formed by aging of bcc disordered Fe-Ni-Mo alloys. Physical Review B, 1995, 51, 8830-8840.	3.2	15
62	Effect of nanocrystallization on the structure and the magnetic properties of Ndâ€“Feâ€“Coâ€“Alâ€“B glassy alloy. Journal of Applied Physics, 2006, 99, 093906.	2.5	15
63	A 57Fe MÃ¶ssbauer study of nanostructured Sm2Fe17â^'xCoxC3. Journal of Alloys and Compounds, 2008, 455, 35-41.	5.5	15
64	An integrated study of thermal treatment effects on the microstructure and magnetic properties of Znâ€“ferrite nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 086001.	1.8	15
65	Theoretical Work in Magnetocaloric Effect of LaFe13â^'xSi x Compounds. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1795-1800.	1.8	15
66	Structural and magnetic properties of new uniaxial nanocrystalline Pr 5 Co 19 compound. Journal of Magnetism and Magnetic Materials, 2017, 441, 566-571.	2.3	15
67	Magnetic and magnetocaloric properties in sulfospinel Cd1â^'Zn Cr2S4 (x= 0, 0.3, 0.5) powders. Chemical Physics Letters, 2017, 688, 84-88.	2.6	15
68	Random magnetic anisotropy studies in nanocrystalline Pr2Co7Hx (0â€¯â‰¤â€¯xâ€¯â‰¤â€¯3.75) hydrides. Journal of Magnetism and Magnetic Materials, 2018, 449, 461-466.	2.3	15
69	Iron Oxide Nanoflowerâ€“Based Screen Print Electrode for Enhancement Removal of Organic Dye Using Electrochemical Approach. Electrocatalysis, 2019, 10, 663-671.	3.0	15
70	Study of the effect of Mn substitution on the electrical and dielectric behavior of Spinel structured materials. Journal of Materials Science: Materials in Electronics, 2019, 30, 21018-21031.	2.2	15
71	Structure, magnetic and magnetocaloric properties of new nanocrystalline (Pr,Dy)Fe9 compounds. Journal of Alloys and Compounds, 2016, 684, 291-298.	5.5	14
72	Correlation between structural, magnetic and electric properties of La0.5Ca0.3Te0.2MnO3 sample synthesis by sol-gel method. Chemical Physics Letters, 2017, 684, 72-78.	2.6	14

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73	Increase of magnetic and magnetoelectric properties in Co/Mn co-doped BiFeO3 multiferroic. Journal of Magnetism and Magnetic Materials, 2020, 498, 166137.	2.3	14
74	Tuning the Magnetocaloric Properties of the La(Fe,Si)13 Compounds by Chemical Substitution and Light Element Insertion. Magnetochemistry, 2021, 7, 13.	2.4	14
75	Study of the magnetic and electronic properties of nanocrystalline PrCo3by neutron powder diffraction and density functional theory. Journal of Physics Condensed Matter, 2013, 25, 116001.	1.8	13
76	Structural and magnetic properties of nanocrystalline PrCo3â^'xFex. Journal of Magnetism and Magnetic Materials, 2013, 340, 10-15.	2.3	13
77	Magnetic and magnetocaloric properties in amorphous and crystalline Tb0.67Au0.33 alloys. Journal of Magnetism and Magnetic Materials, 2017, 443, 374-377.	2.3	13
78	Second-Order Magnetic Transition and Low Field Magnetocaloric Effect in Nanocrystalline $$hbox {Pr}_ {5}hbox {Co}_{19}$$ Pr 5 Co 19 Compound. Journal of Electronic Materials, 2018, 47, 2776-2781.	2.2	13
79	Structural, magnetic and magnetocaloric properties of (Pr,Sm)2Fe17 compound at room temperature. Journal of Physics and Chemistry of Solids, 2022, 161, 110438.	4.0	13
80	Structural and MÂssbauer spectral study of the metastable phase Sm(Fe, Co, Ti)10. Journal of Physics Condensed Matter, 2002, 14, 8111-8120.	1.8	12
81	Brilliant effect of Ca substitution in the appearance of magnetic memory in Dy 0.5 (Sr 1â^'x Ca x) 0.5 MnO 3 (xÂ=Â0.3) manganites. Intermetallics, 2017, 89, 118-122.	3.9	12
82	Structural, Magnetic, Magnetocaloric and MÃ¶ssbauer Spectrometry Study of $${hbox {Gd}}_2{hbox {Fe}}_{17-x}{hbox {Cu}}_x$$ Gd 2 Fe 17 - x Cu x ($$x=$$ x = Â0, 0.5, 1 and 1.5) Compounds. Journal of Electronic Materials, 2019, 48, 2242-2253.	2.2	12
83	Study of exchange interaction, magnetization correlations and random magnetic anisotropy in nanocrystalline Pr2Co7 films deposited on Si substrate. Journal of Magnetism and Magnetic Materials, 2020, 494, 165816.	2.3	12
84	Study of the magnetic and magnetocaloric properties at low-field in Nd2<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si59.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>17</mml:mn><mml:mo>-</mml:mo><mml:mi>x</mml:mi></	2.3	12
85	Mg-substitution effect on microstructure, dielectric relaxation and conduction phenomenon of Fe based perovskite nanomaterials. Journal of Alloys and Compounds, 2021, 856, 157425.	5.5	12
86	A single integral expression for the magnetisation of a textured superparamagnetic system. Journal of Magnetism and Magnetic Materials, 1999, 203, 265-267.	2.3	11
87	Microstructural characterisation of Feâ€“Crâ€“Pâ€“C powder mixture prepared by ball milling. Journal of Alloys and Compounds, 2005, 388, 41-48.	5.5	11
88	Coercivity of nanocrystalline Ndâ€“Feâ€“Coâ€“Alâ€“B alloys with low rare-earth content. Journal of Alloys and Compounds, 2006, 426, 22-25.	5.5	11
89	Nanocrystalline metastable 2/17 and 1/12 precursors: A promising class of hard magnetic materials. Journal of Applied Physics, 2009, 106, .	2.5	11
90	A-site-deficiency effect on critical behavior in the Pr_{0.6}Sr_{0.4}MnO₃ compound. Dalton Transactions, 2015, 44, 17712-17719.	3.3	11

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91	Phase stability, EXAFS investigation and correlation between nanostructure and extrinsic magnetic properties of nanocrystalline Pr2(Co,Fe)7. Journal of Alloys and Compounds, 2016, 666, 317-326.	5.5	11
92	Influence of crystallite size reduction on the magnetic and magnetocaloric properties of La0.6Sr0.35Ca0.05CoO3 nanoparticles. Polyhedron, 2017, 121, 19-24.	2.2	11
93	Random Magnetic Anisotropy Studies in SmCo5 Thin Films. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2055-2058.	1.8	11
94	Influence of insolubility of silver on the Hirshfeld surface analyses and magnetic behavior of La0.5Ca0.1Ag0.4MnO3 compound. Chemical Physics Letters, 2018, 691, 262-270.	2.6	11
95	Synthesis of (2D) MNPs nanosheets of nickel ferrite using a low-cost co-precipitation process. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 232-235, 48-54.	3.5	11
96	Hydrogenation and the effect of H absorption on structural and magnetic properties of nanocrystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Pr</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:m alloys. Journal of Magnetism and Magnetic Materials, 2018, 465, 220-227.	2.3	11
97	Microstructure and magnetic anisotropy properties of Pr2Co7 films deposited on Al2O3(0001) substrate. Vacuum, 2020, 174, 109168.	3.5	11
98	Experimental design approach for the synthesis of 3D-CoFe2O4 nanoflowers thin films by low-cost process. Materials Chemistry and Physics, 2020, 255, 123493.	4.0	11
99	Study of the Magnetocaloric Effect in (Pr, Dy)2Fe17 and Pr2(Fe, Al)17 Intermetallic Compounds. Physics Procedia, 2015, 75, 1435-1441.	1.2	10
100	Crystal structure, magnetic, thermal behavior, and spectroscopic studies of two new bimetallic hydrogenselenites: [Cu2â^'xNix (HSeO3)2Cl2.4H2O], (xÂ=Â0.62; 0.91). Journal of Molecular Structure, 2016, 1118, 259-266.	3.6	10
101	Experimental investigation of the Y-Fe-Ga ternary phase diagram: Phase equilibria and new isothermal section at 800ÂÂ°C. Journal of Alloys and Compounds, 2017, 719, 256-263.	5.5	10
102	Critical behavior, magnetic and magnetocaloric properties of melt-spun Ni50Mn35Sn15 ribbons. Journal of Alloys and Compounds, 2018, 735, 1662-1672.	5.5	10
103	Effect of stacking blocks on the low field magnetic refrigeration in nanocrystalline Pr2Co7 compound. Intermetallics, 2018, 100, 181-187.	3.9	10
104	Effect of annealing temperature on the microstructure of Pr2Co7 alloy and its hydrogen absorption-desorption kinetics. International Journal of Hydrogen Energy, 2019, 44, 22011-22021.	7.1	10
105	Structure and Magnetic Properties of Intermetallic Rare-Earth-Transition-Metal Compounds: A Review. Materials, 2022, 15, 201.	2.9	10
106	Magnetic properties of GdFe11â^'xSixTi. Journal of Alloys and Compounds, 2002, 345, 27-35.	5.5	9
107	Combined effect of gallium and carbon on the structure and magnetic properties of nanocrystalline SmFe9. Journal of Physics Condensed Matter, 2006, 18, 3845-3859.	1.8	9
108	Spin-Wave Excitations in Evaporated Co/Pt Multilayers. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1375-1379.	1.8	9

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109	Magnetic and structural properties of nanocrystalline PrCo₃. Journal of Physics: Conference Series, 2011, 303, 012028.	0.4	9
110	X-ray diffraction analysis of the magnetoelastic phase transition in the Mn-Fe-P-Si magnetocaloric alloy. AIP Advances, 2016, 6, .	1.3	9
111	Experimental Investigation of the Isothermal Section at 800ÂÂ°C of the Nd-Fe-Co Ternary System. Journal of Phase Equilibria and Diffusion, 2017, 38, 561-567.	1.4	9
112	Magnetism and Hyperfine Parameters in Iron Rich $$hbox {Gd}_2hbox {Fe}_{17-x}hbox {Si}_x$$ Gd 2 Fe 17 - x Si x Intermetallics. Journal of Electronic Materials, 2018, 47, 3836-3846.	2.2	9
113	An investigation of the Gd-Fe-Cr phase diagram: Phase equilibria at 800â€Â°C. Journal of Alloys and Compounds, 2019, 792, 87-94.	5.5	9
114	Relationship between microstructural and magnetic properties of PrCo-based films prepared by the vacuum evaporation method. Journal of Magnetism and Magnetic Materials, 2018, 451, 473-479.	2.3	8
115	Annealing effect on structural, microstructural and magnetic properties of nanocrystalline Er-Co-B alloys for permanent magnet applications. Materials Chemistry and Physics, 2019, 228, 60-65.	4.0	8
116	Magnetocaloric Effect in SmNi2 Compound. Chemistry Africa, 2020, 3, 111-118.	2.4	8
117	Effect of chromium substitution on structural, magnetic and magnetocaloric properties of GdFe12â^'xCr intermetallic compounds, MÃ¶ssbauer spectrometry and ab initio calculations. Journal of Solid State Chemistry, 2021, 297, 122019.	2.9	8
118	Enhancement of coercivity in the nanocomposite R40Fe30Co15Al10B5(R Â Nd, Pr). Journal of Physics Condensed Matter, 2003, 15, 5615-5620.	1.8	7
119	Griffiths phase, magnetic memory and ac susceptibility of an antiferromagnetic titanate-based perovskite Er_{0.9}Sr_{0.1}Ti_{0.975}Cr_{0.025}O₃ system. Physica Scripta, 2020, 95, 055807.	2.5	7
120	Magnetic, structural and magnetocaloric effect investigations on the substituted spinel Mg1â^'xZnxFe2O4 (0Ââ‰ÂxÂâ‰Â1) prepared by sol-gel method. Journal of Alloys and Compounds, 2022, 896, 162836.	5.5	7
121	Hyperfine parameters of amorphous Fe64Cr16B20 particles dispersed in an alumina matrix. Hyperfine Interactions, 1990, 55, 933-937.	0.5	6
122	Effect of the applied field on the relaxation time of the magnetic moment of uniaxial small particles with easy axis in random position. Influence on MÃ¶ssbauer spectra. Hyperfine Interactions, 1992, 70, 1109-1112.	0.5	6
123	MÃ¶ssbauer spectra and magnetic properties of mechanically alloyed SmFe11â^'xCoxTi. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1564-1566.	2.3	6
124	Influence of Si substitution on the structure and magnetic properties of YFe11â^'xSixTi (xâ©½2). Journal of Magnetism and Magnetic Materials, 2002, 242-245, 823-825.	2.3	6
125	Structural and magnetic properties of Sm2Fe17â^'xCrxC2 nanocrystalline carbides with 0â‰xâ‰2. Journal of Alloys and Compounds, 2003, 360, 14-20.	5.5	6
126	Structural and magnetic properties of Pr₂Co₇powders. IOP Conference Series: Materials Science and Engineering, 2012, 28, 012014.	0.6	6

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127	Magnetic random anisotropy model approach on nanocrystalline Fe88Sm9Mo3 and Fe88Sm9Mo3C alloys. Journal of Alloys and Compounds, 2014, 584, 352-355.	5.5	6
128	Influence of bismuth on magnetism and magnetocaloric properties of LaFe11.6Si1.4 intermetallic compound. Journal of Rare Earths, 2015, 33, 740-745.	4.8	6
129	Investigations of SmCo Thin Films Grown on Kapton Substrate. Journal of Superconductivity and Novel Magnetism, 2016, 29, 383-388.	1.8	6
130	Synthesis and study of the structural and dielectric properties of La0.67Ca0.2Ba0.13Fe1â^'xMnxO3 ferrites (xâ€‰=â€‰0, 0.03 and 0.06). Journal of Materials Science: Materials in Electronics, 2021, 32, 7926-7942.	2.2	6
131	Review of the influence of copper and chromium substitution on crystal structure, magnetic properties and magnetocaloric effect of GdFe2â^'(Cu, Cr) (x = 0, 0.1, 0.15 and 0.2) intermetallic compounds. Journal of Physics and Chemistry of Solids, 2022, 160, 110343.	4.0	6
132	New method of resolution of Brown's model for the relaxation time of fine magnetic particles: approximative formula and numerical calculations. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1565-1566.	2.3	5
133	Effect of Si content on magnetic properties and intersublattice exchange interactions in GdFe11â^'xSixTi compounds. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1171-1173.	2.3	5
134	Magnetocrystalline anisotropy of YFe11â^'xCoxTiC. Journal of Magnetism and Magnetic Materials, 2007, 316, e116-e119.	2.3	5
135	High coercivity in nanocrystalline Nd25Fe40Co20Al10B5 prepared by out-of-equilibrium techniques. Journal of Applied Physics, 2009, 105, 103905.	2.5	5
136	Magnetic and structural properties of nanocrystalline PrCo3. IOP Conference Series: Materials Science and Engineering, 2012, 28, 012048.	0.6	5
137	Structural and magnetic properties of PrCo3â^'xFex by neutron powder diffraction and electronic structure investigations. Journal of Solid State Chemistry, 2015, 230, 19-25.	2.9	5
138	Structural and magnetic studies on perovskite rare-earth manganites (Nd1â^'xGdx)0.55Sr0.45MnO3 (x=0,) Tj ETQq0 0 0 rgBT /Overlock of Magnetism and Magnetic Materials, 2017, 426, 757-766.	2.3	5
139	Differently shaped nanocrystalline (Fe, Y)₃O₄ and its adsorption efficiency toward inorganic arsenic species. Nanotechnology, 2019, 30, 475702.	2.6	5
140	The 1073â€¯K isothermal section of the Gd-Fe-Cu system. Journal of Alloys and Compounds, 2019, 781, 159-165.	5.5	5
141	Effect of A-site deficiency on the structural and magnetic properties of La0.8â^'xâ–¡xNa0.2â^'xâ–¡xMnO3 oxides and estimation of the magnetocaloric behavior. Solid State Communications, 2019, 289, 30-37.	1.9	5
142	Magnetic properties, critical behavior and magnetocaloric effect in the nanocrystalline Pr2Fe16Al. Journal of Physics and Chemistry of Solids, 2022, 169, 110752.	4.0	5
143	Relationship between structure and intrinsic magnetic parameters of nanocrystalline Sm2(Fe,Ga)17C2. Intermetallics, 2007, 15, 607-614.	3.9	4
144	Out-of-equilibrium Smâ€“Fe based phases. Hyperfine Interactions, 2008, 182, 113-123.	0.5	4

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145	Magnetic and structural characterization of nanosized BaCoxZn2â^'xFe16O27hexaferrite in the vicinity of spin reorientation transition. Journal of Physics: Conference Series, 2011, 303, 012045.	0.4	4
146	Effect of Fe substitution on structural and magnetic properties of Pr₂Co_{7-x}Fe_xcompounds. EPJ Web of Conferences, 2012, 29, 00018.	0.3	4
147	Effect of nanowires SiO[sub 2] on superconducting properties of YBa[sub 2]Cu[sub 3]O[sub 7â^'d] bulks. , 2013, , .		4
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