

Frederic Mazaleyrat

List of Publications by Year in descending order

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176
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178
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178
docs citations

178
times ranked

2432
citing authors

#	ARTICLE	IF	CITATIONS
1	Getting Rid of Critical Raw Materials in Hard Magnets: Is it Feasible?. IEEE Transactions on Magnetics, 2022, 58, 1-10.	1.2	0
2	Si ⁹⁺ Ion-Irradiation Induced Modification of Structural and Magnetic Properties of Zn-Nanoferrite. ECS Journal of Solid State Science and Technology, 2022, 11, 053015.	0.9	4
3	Temperature Dependence of Coercivity and Magnetic Relaxation in a Mn-Al-C Permanent Magnet. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	2
4	A Thermal Energy Harvester Using LaFeSi Magnetocaloric Materials. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	8
5	Soft Magnetic Materials. , 2021, , 1-53.		0
6	Investigation of Piezomagnetism in Nickel Ferrite. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	4
7	Self-oscillation and heat management in a LaFeSi based thermomagnetic generator. Journal of Magnetism and Magnetic Materials, 2021, 540, 168428.	1.0	8
8	Impact of Cd content on properties of Ni _{1-x} Cd _x Fe ₂ O ₄ nanoferrites prepared without post-preparation thermal treatment. Materials Today: Proceedings, 2021, 46, 2205-2211.	0.9	5
9	Soft Magnetic Materials and Applications. , 2021, , 1435-1487.		2
10	⁵⁷ Fe Mössbauer study of Co _x Cr _{1-x} Fe ₂ O ₄ nano ferrite. Hyperfine Interactions, 2021, 242, 1.	0.2	5
11	Fabrication and characterization of novel soft magnetic [(Fe _{0.7} Co _{0.3}) _{71.2} B ₂₄ Y _{4.8}] ₉₆ Nb ₄ /V ₂ O ₅ bulk metallic glassy/composite cores with excellent magnetic permeability and low core losses. Journal of Alloys and Compounds, 2020, 846, 156427.	2.8	8
12	Cr content-dependent modification of structural, magnetic properties and bandgap in green synthesized Co-Cr nano-ferrites. Molecular Crystals and Liquid Crystals, 2020, 699, 39-50.	0.4	11
13	Composition assisted tuning properties of Co _x Cr _{1-x} Fe ₂ O ₄ spinel nano ferrites. Materials Today: Proceedings, 2020, 32, 350-353.	0.9	2
14	Exchange-bias features in nanoceramics prepared by spark plasma sintering of exchange-biased nanopowders. Journal of Materials Chemistry C, 2020, 8, 5941-5949.	2.7	1
15	Ni addition induced modification of structural, magnetic properties and bandgap of Ni-Zn nano ferrites. Materials Today: Proceedings, 2020, 32, 329-333.	0.9	9
16	Study of structural, magnetic properties and bandgap of spinel Co _{1-x} Fe ₂ O ₄ ferrite. Materials Today: Proceedings, 2020, 32, 358-364.	0.9	7
17	Loss decomposition in plastically deformed and partially annealed steel sheets. Journal of Magnetism and Magnetic Materials, 2020, 502, 166452.	1.0	4
18	Specific Loss Power of Co/Li/Zn-Mixed Ferrite Powders for Magnetic Hyperthermia. Sensors, 2020, 20, 2151.	2.1	16

#	ARTICLE	IF	CITATIONS
19	Influence of Mg Content on Structural and Magnetic Properties of Green-Synthesized $\text{Li}_{0.5}\text{Mg}_x\text{Fe}_{2.5-x}\text{O}_4$ (0.0 \leq x \leq 0.8) Nanoferrites. Springer Proceedings in Physics, 2019, , 431-442.	0.1	2
20	Single reaction mixture synthesis and characterization of CoFe_2O_4 \AA $\text{BaFe}_{12}\text{O}_{19}$ nano-composite. AIP Conference Proceedings, 2019, , .	0.3	1
21	Green synthesis and characterization of $\text{Li}_{0.5}\text{Mg}_x\text{Fe}_{2.5-x}\text{O}_4$ (0.0 \leq x \leq 1.0) nano ferrite. AIP Conference Proceedings, 2019, , .	0.3	1
22	Preparation condition assisted modification of structural and magnetic properties of MgFe_2O_4 nano ferrite. AIP Conference Proceedings, 2019, , .	0.3	2
23	Synthesis, structural and magnetic properties of cadmium substituted Li-ferrite. AIP Conference Proceedings, 2019, , .	0.3	0
24	Synthesis, structural and magnetic properties of $\text{CoCr}_x\text{Fe}_{2-x}\text{O}_4$ (0.0 \leq x \leq 1.0) nano-ferrite. AIP Conference Proceedings, 2019, , .	0.3	3
25	On the structural and magnetic investigation of $\text{CoFe}_2\text{O}_4/\text{SrFe}_{12}\text{O}_{19}$ nano-composite via one pot synthesis. AIP Conference Proceedings, 2019, , .	0.3	1
26	Cd content dependent structural and magnetic properties of Cd-Ni nano ferrite. AIP Conference Proceedings, 2019, , .	0.3	3
27	Green synthesis and characterization of $\text{Ni}_{0.8}\text{Zn}_{0.2}\text{Fe}_2\text{O}_4$ nano ferrite. AIP Conference Proceedings, 2019, , .	0.3	2
28	Cd content dependent magnetic properties of $\text{Li}_{0.5-x/2}\text{Cd}_x\text{Fe}_{2.5-x/2}\text{O}_4$ nano-ferrite prepared without post preparation thermal treatment. AIP Conference Proceedings, 2019, , .	0.3	0
29	Preparation condition, composition and post-preparation thermal treatment assisted control of structural and magnetic properties of spinel nano ferrites. AIP Conference Proceedings, 2019, , .	0.3	1
30	On the limits of Reactive-Spark-Plasma Sintering to prepare magnetically enhanced nanostructured ceramics: the case of the CoFe_2O_4 -NiO system. Scientific Reports, 2019, 9, 14119.	1.6	3
31	Effect of Zn addition on structural, magnetic properties and anti-structural modeling of magnesium-nickel nano ferrites. Materials Chemistry and Physics, 2019, 229, 78-86.	2.0	64
32	DC-DC converter with GaN transistor and coupled with monolithic ICT sintered by PECS/SPS. EPE Journal (European Power Electronics and Drives Journal), 2019, 29, 161-171.	0.7	0
33	Thermal energy harvesting system based on magnetocaloric materials. EPJ Applied Physics, 2019, 85, 10902.	0.3	10
34	Nitrogenation and sintering of $(\text{Nd-Zr})\text{Fe}_{10}\text{Si}_2$ tetragonal compounds for permanent magnets applications. Journal of Alloys and Compounds, 2019, 784, 996-1002.	2.8	9
35	Dual control on structure and magnetic properties of Mg ferrite: Role of swift heavy ion irradiation. Journal of Magnetism and Magnetic Materials, 2019, 471, 521-528.	1.0	50
36	Cation distribution effect on static and dynamic magnetic properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ferrite powders. Journal of Magnetism and Magnetic Materials, 2018, 456, 372-380.	1.0	46

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37	Dynamic Magnetostriction of CoFe_2O_4 and Its Role in Magnetoelectric Composites. Physical Review Applied, 2018, 9, .	1.5	33
38	Anisotropy of the ferromagnetic L1 phase in the Mn-Al-C alloys induced by high-pressure spark plasma sintering. AIP Advances, 2018, 8, .	0.6	12
39	Influence of cold isostatic pressing on the magnetic properties of Ni-Zn-Cu ferrite. AIP Advances, 2018, 8, .	0.6	9
40	Mg _{1-x} Zn _x Fe ₂ O ₄ nanoparticles: Interplay between cation distribution and magnetic properties. AIP Advances, 2018, 8, .	0.6	64
41	Ni addition induced modification of structural, magnetic properties and antistructural modeling of Zn _{1-x} Ni _x Fe ₂ O ₄ (x = 0.0 - 1.0) nanoferrites. Molecular Crystals and Liquid Crystals, 2018, 674, 130-141.	0.4	23
42	Effect of 120 keV 28Si ⁹⁺ ion irradiation on structural and magnetic properties of NiFe ₂ O ₄ and Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ . AIP Conference Proceedings, 2018, , .	0.3	3
43	Effect of Zn addition on structural, magnetic properties, antistructural modeling of Co _{1-x} Zn _x Fe ₂ O ₄ nano ferrite. AIP Conference Proceedings, 2018, , .	0.3	13
44	Enhanced magnetoelectric voltage in ferrite/PZT/ferrite composite for AC current sensor application. Journal of Materials Science: Materials in Electronics, 2018, 29, 14435-14444.	1.1	9
45	1-D and 2-D Loss-Measuring Methods: Optimized Setup Design, Advanced Testing, and Results. IEEE Transactions on Magnetics, 2018, 54, 1-15.	1.2	11
46	Synthesis, structural and magnetic properties of Mg _{0.6} Zn _{0.4} Cr _x Fe _{2-x} O ₄ (0.0 ≤ x ≤ 2.0) nano ferrite. AIP Conference Proceedings, 2018, , .	0.3	7
47	Synthesis, characterization and antistructure modeling of Ni nano ferrite. AIP Conference Proceedings, 2018, , .	0.3	29
48	Analytical modeling of demagnetizing effect in magnetoelectric ferrite/PZT/ferrite trilayers taking into account a mechanical coupling. Journal of Magnetism and Magnetic Materials, 2017, 426, 530-539.	1.0	17
49	Enhancement of the Magnetoelectric Effect in Multiferroic CoFe ₂ O ₄ /PZT Bilayer by Induced Uniaxial Magnetic Anisotropy. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	13
50	First- Versus Second-Order Magnetocaloric Material for Thermomagnetic Energy Conversion. IEEE Transactions on Magnetics, 2017, 53, 1-6.	1.2	14
51	Uniaxial anisotropy and enhanced magnetostriction of CoFe ₂ O ₄ induced by reaction under uniaxial pressure with SPS. Journal of the European Ceramic Society, 2017, 37, 3101-3105.	2.8	25
52	Microwave Absorption and the Magnetic Hyperthermia Applications of Li _{0.3} Zn _{0.3} Co _{0.1} Fe _{2.3} O ₄ Nanoparticles in Multiwalled Carbon Nanotube Matrix. ACS Applied Materials & Interfaces, 2017, 9, 40831-40845.	4.0	62
53	Ferromagnetic L1 Phase Formation in the Mn-Al-C Alloys Induced by High-Pressure Spark Plasma Sintering. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	3
54	Effect of Carbon Addition on Magnetic Order in Mn-Al-C Alloys. IEEE Transactions on Magnetics, 2017, 53, 1-6.	1.2	3

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55	Substitution effect of Me=Al, Bi, Cr and Mn to the microwave properties of polyaniline/BaMeFe11O19 for absorbing electromagnetic waves. Journal of Alloys and Compounds, 2017, 692, 774-786.	2.8	45
56	Numerical study of thermomagnetic cycle. Journal of Magnetism and Magnetic Materials, 2017, 426, 64-69.	1.0	12
57	First vs second order magnetocaloric material for thermomagnetic energy conversion. , 2017, , .		2
58	Effect of deposition time on structural and magnetic properties of pulse laser deposited hard-soft composite films. Journal of Physics: Conference Series, 2016, 755, 012043.	0.3	1
59	Cationic distribution assisted tuning of magnetic properties of Li0.5-x/2ZnxFe2.5-x/2O4. AIP Advances, 2016, 6, .	0.6	26
60	X-ray diffraction analysis of the magnetoelastic phase transition in the Mn-Fe-P-Si magnetocaloric alloy. AIP Advances, 2016, 6, .	0.6	9
61	Optimization of multiroute synthesis for polyaniline-barium ferrite composites. Materials Chemistry and Physics, 2016, 179, 42-54.	2.0	9
62	A Multiscale Modeling of Magnetic Shape Memory Alloys: Application to NiMnGa Single Crystal. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	7
63	Anisotropy of Losses in Non-Oriented Iron Silicon Sheets: Influence on Electrical Machine Applications. IEEE Transactions on Magnetics, 2016, 52, 1-7.	1.2	6
64	A Simple Compensation Method for the Accurate Measurement of Magnetic Losses With a Single Strip Tester. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	11
65	Effect of non-magnetic and magnetic trivalent ion substitutions on BaM-ferrite properties synthesized by hydrothermal method. Journal of Alloys and Compounds, 2016, 671, 245-253.	2.8	46
66	Spark Plasma Sintering Co-Sintered Monolithic Transformers for Power Electronics. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	4
67	Enhancement of Medium Frequency Hysteresis Loop Measurements Over a Wide Temperature Range. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	6
68	Study of the first paramagnetic to ferromagnetic transition in as prepared samples of Mn-Fe-P-Si magnetocaloric compounds prepared by different synthesis routes. Journal of Magnetism and Magnetic Materials, 2016, 400, 333-338.	1.0	38
69	Comparison of three measuring systems at high frequency for non oriented silicon steels: influence of the rolling direction on magnetic losses and B(H) curve. EPJ Applied Physics, 2015, 71, 31001.	0.3	2
70	A method to decrease the harmonic distortion in Mn-Zn ferrite/PZT and Ni-Zn ferrite/PZT layered composite rings exhibiting high magnetoelectric effects. Journal of Applied Physics, 2015, 118, 154101.	1.1	5
71	Structural and magnetic properties of an anisotropic M-type LaCo-substituted strontium hexaferrite. EPJ Applied Physics, 2015, 72, 20601.	0.3	6
72	Skin effect in steel sheets under rotating induction. International Journal of Applied Electromagnetics and Mechanics, 2015, 48, 247-254.	0.3	11

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73	Cobalt Doping Effect on Ni-Zn-Cu Ferrites Produced by Reactive Sintering. <i>Physics Procedia</i> , 2015, 75, 1306-1313.	1.2	4
74	Magnetoelectric effect in layered ferrite/PZT composites. Study of the demagnetizing effect on the magnetoelectric behavior. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	30
75	Spark plasma sintering of Mn-Al-C hard magnets. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 064203.	0.7	31
76	The Verwey transition in nanostructured magnetite produced by a combination of chimie douce and spark plasma sintering. <i>Journal of Applied Physics</i> , 2014, 115, 17E117.	1.1	7
77	Magnetization Reversal in Exchange Spring Bilayer System Under Circularly Polarized Microwave Field. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	2
78	Study of hard-soft magnetic ferrite films prepared by pulsed laser deposition. <i>Journal of Physics: Conference Series</i> , 2014, 534, 012043.	0.3	2
79	High-Field Magnetization Behavior of Mn-Al-C Alloys. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	18
80	High-frequency rotational losses in different soft magnetic composites. <i>Journal of Applied Physics</i> , 2014, 115, 17A331.	1.1	8
81	Magnetic Properties of Nanostructured Spinel Ferrites. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-6.	1.2	43
82	Structural, Dielectric, and Magnetic Properties of NiZnCu Ferrites Synthesized by Reactive Spark Plasma Sintering Process. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	1
83	Semianalytical and Analytical Formulas for the Classical Loss in Granular Materials With Rectangular and Elliptical Grain Shapes. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-8.	1.2	16
84	High Magnetic Moment of FeCo Nanoparticles Produced in Polyol Medium. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-5.	1.2	1
85	A computationally effective dynamic hysteresis model taking into account skin effect in magnetic laminations. <i>Physica B: Condensed Matter</i> , 2014, 435, 80-83.	1.3	17
86	Lithography-free synthesis of nanostructured cobalt on Si (111) surfaces: structural and magnetic properties. <i>EPJ Web of Conferences</i> , 2014, 75, 05012.	0.1	1
87	Microstructure and magnetic properties of soft magnetic composites based on silicon resin coated Co ₄₀ Fe ₂₂ Ta ₈ B ₃₀ glassy powders. <i>Intermetallics</i> , 2013, 43, 1-7.	1.8	12
88	Characterization and Prediction of Magnetic Losses in Soft Magnetic Composites Under Distorted Induction Waveform. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 1318-1326.	1.2	48
89	Giant Barkhausen Jumps in Exchange Biased Bulk Nanocomposites Sintered from Core-Shell $\text{Fe}_3\text{O}_4\text{-CoO}$ Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3356-3359.	1.2	4
90	Hard magnetic properties of melt-spun Mn-Al-C alloys. <i>EPJ Web of Conferences</i> , 2013, 40, 06008.	0.1	22

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91	Classical eddy current losses in soft magnetic composites. Journal of Applied Physics, 2013, 113, .	1.1	27
92	A new magneto-elastic resonance based technique to determine magneto-mechanical parameters of amorphous ferromagnetic ribbons. Review of Scientific Instruments, 2013, 84, 043904.	0.6	5
93	Influence of Mn addition on magnetic and structural properties of barium hexaferrite. , 2013, , .		2
94	Cu ₂ MnAl thin films grown onto sapphire and MgO substrates: Exchange stiffness and magnetic anisotropy. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 553-558.	0.8	0
95	Preparation and characterization of Fe-Si-B thin films. , 2013, , .		1
96	Direct calorimetric measurements of isothermal entropy change on single crystal W-type hexaferrites at the spin reorientation transition. Journal of Applied Physics, 2012, 111, 07A905.	1.1	11
97	Temperature dependence of magnetic behaviour in very fine grained, spark plasma sintered NiCuZn ferrites. Journal of Applied Physics, 2012, 111, 07A510.	1.1	7
98	Effective anisotropy field distribution of soft magnetic nanocrystalline Fe ₈₄ Zr _{3.5} Nb _{3.5} B ₈ Cu ₁ ribbons. AIP Conference Proceedings, 2012, , .	0.3	1
99	XXIst Century Ferrites. Journal of Physics: Conference Series, 2012, 365, 012001.	0.3	3
100	Growth and characterization of ferrite film prepared by pulsed laser deposition. Journal of Physics: Conference Series, 2012, 365, 012023.	0.3	1
101	Extended frequency analysis of magnetic losses under rotating induction in soft magnetic composites. Journal of Applied Physics, 2012, 111, 07E325.	1.1	7
102	An analysis of Mn-Zn ferrite microstructure by impedance spectroscopy, scanning transmission electron microscopy and energy dispersion spectrometry characterizations. Journal of Applied Physics, 2012, 111, .	1.1	29
103	In situ tailoring of magnetization configuration in NiFe film deposited onto flexible substrate. Journal of Applied Physics, 2012, 111, 07A926.	1.1	10
104	Magnetic and structural properties of ion beam sputtered Fe-Zr-Nb-B-Cu thin films. Thin Solid Films, 2012, 520, 3499-3504.	0.8	2
105	Magnetic and structural characterization of nanosized BaCo _x Zn _{2-\hat{x}} Fe ₁₆ O ₂₇ hexaferrite in the vicinity of spin reorientation transition. Journal of Physics: Conference Series, 2011, 303, 012045.	0.3	4
106	Analysis of volume distribution of power loss in ferrite cores. Journal of Applied Physics, 2011, 109, 07D308.	1.1	7
107	Giant coercivity of dense nanostructured spark plasma sintered barium hexaferrite. Journal of Applied Physics, 2011, 109, .	1.1	16
108	Short-Circuit Withstand Tests of Metglas 2605SA1-Based Amorphous Distribution Transformers. IEEE Transactions on Magnetics, 2011, 47, 4489-4492.	1.2	8

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109	Physicochemical and Accelerated Aging Tests of Metglas 2605SA1 and Metglas 2605HB1 Amorphous Ribbons for Power Applications. IEEE Transactions on Magnetics, 2011, 47, 3192-3195.	1.2	18
110	On the influence of Joule heating induced nanocrystallization on structural and magnetic properties of Co ₆₄ Fe ₂₁ B ₁₅ alloy. Current Applied Physics, 2011, 11, 981-985.	1.1	11
111	Temperature dependence of core loss in cobalt substituted Ni-Zn-Cu ferrites. Journal of Magnetism and Magnetic Materials, 2011, 323, 735-739.	1.0	44
112	Loss separation in soft magnetic composites. Journal of Applied Physics, 2011, 109, .	1.1	42
113	Effect of temperature and time on properties of spark plasma sintered NiCuZn: Co ferrite. Journal of Applied Physics, 2011, 109, 07A504.	1.1	15
114	Ultrasoft Finemet thin films for magneto-impedance microsensors. Journal of Micromechanics and Microengineering, 2011, 21, 074010.	1.5	8
115	Analytical Model of the Magnetostrictive Ribbon Shape Resonator Frequency Response. Sensor Letters, 2011, 9, 1801-1806.	0.4	4
116	Study of Magnetic Losses in Mn-Zn Ferrites Under Biased and Asymmetric Excitation Waveforms. IEEE Transactions on Magnetics, 2010, 46, 451-454.	1.2	10
117	Comparison of Losses Measurement in a Ferrite With Two Calorimetric Methods. IEEE Transactions on Magnetics, 2010, 46, 529-531.	1.2	14
118	Observation and modelling of magnetic vortex core structure in Permalloy nanoparticles. Journal of Magnetism and Magnetic Materials, 2010, 322, 1290-1292.	1.0	8
119	Internal stress influence on the coercivity of FeCuNbSiB thin films. Journal of Magnetism and Magnetic Materials, 2010, 322, 1275-1278.	1.0	20
120	Influence of Co content and thermal annealing on structural, magnetic and magneto elastic properties of nanocrystalline Fe-Co-Nb-B alloys. Physica B: Condensed Matter, 2010, 405, 2803-2806.	1.3	5
121	Magnetoelastic effect in soft amorphous and nanocrystalline FeCuNbSiB thin films. Journal of Physics: Conference Series, 2010, 200, 082020.	0.3	4
122	Temperature dependence of spin resonance in cobalt substituted NiZnCu ferrites. Applied Physics Letters, 2010, 97, 182502.	1.5	17
123	Measurement of magnetic losses by thermal method applied to power ferrites at high level of induction and frequency. Review of Scientific Instruments, 2009, 80, 024703.	0.6	13
124	Investigation of magnetic properties, residual stress and densification in compacted iron powder specimens coated with polyepoxy. Materials Chemistry and Physics, 2009, 114, 588-594.	2.0	72
125	XRD, HRTEM and magnetic properties of mixed spinel nanocrystalline Ni-Zn-Cu-ferrite. Journal of Alloys and Compounds, 2009, 473, 15-19.	2.8	90
126	Silica coated nanoparticles: Synthesis, magnetic properties and spin structure. Journal of Alloys and Compounds, 2009, 483, 473-478.	2.8	27

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127	Study of structural and magnetic properties of Co-substituted $(\text{Fe}_{100-x}\text{Co}_x)_{78}\text{Si}_9\text{Nb}_3\text{B}_9\text{Cu}_x$ alloys. Journal of Physics: Conference Series, 2009, 144, 012078.		
128	Effect of annealing on magnetic and magnetotransport properties of $\text{Fe}_{84}\text{Zr}_{3.5}\text{Nb}_{3.5}\text{Cu}_{1\text{B}8}$ ribbons. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1749-1752.	0.8	1
129	A quantitative analysis of magnetic vortices in Permalloy nanoparticles characterized by electron holography. Journal of Magnetism and Magnetic Materials, 2008, 320, e716-e719.	1.0	14
130	Structural and magnetic investigation of gradually devitrified Nanoperm alloys. Journal of Magnetism and Magnetic Materials, 2008, 320, e828-e832.	1.0	13
131	Structural and Magnetic Investigation of Amorphous and Gradually Devitrified Nanocrystalline Fe-Co-Nb-Cu-B Alloys. Journal of the Korean Physical Society, 2008, 53, 3629-3633.	0.3	3
132	Influence of annealing on the high frequency magnetotransport properties of melt-spun $\text{Fe}_{31}\text{Co}_{31}\text{Nb}_{8\text{B}30}$ alloys. Journal of Non-Crystalline Solids, 2007, 353, 3099-3102.	1.5	0
133	Surface analysis of Fe-Co-Nb-Cu-B metallic glasses using a miniaturised Mössbauer spectrometer $\hat{\sim}$ MIMOS $\hat{\sim}$ ™. Journal of Non-Crystalline Solids, 2007, 353, 3587-3589.	1.5	1
134	Preparation of nanocrystalline Mn-Al-C magnets by melt spinning and subsequent heat treatments. Journal of Alloys and Compounds, 2007, 434-435, 611-613.	2.8	49
135	Synthesis and characterization of core-shell structure silica-coated $\text{Fe}_{29.5}\text{Ni}_{70.5}$ nanoparticles. Nanotechnology, 2007, 18, 285606.	1.3	37
136	Magnetic and hyperfine properties of chemically synthesized nanocomposites of $(\text{Al}_2\text{O}_3)_x(\text{Ni}_{0.2}\text{Zn}_{0.6}\text{Cu}_{0.2}\text{Fe}_2\text{O}_4)_{(1-x)}$ ($x=0.15, 0.30, 0.45$). Solid State Communications, 2007, 144, 305-309.	0.9	21
137	Magnetic and hyperfine properties of nanocrystalline $\text{Ni}_{0.2}\text{Zn}_{0.6}\text{Cu}_{0.2}\text{Fe}_2\text{O}_4$ prepared by a chemical route. Journal of Physics Condensed Matter, 2006, 18, 5253-5267.	0.7	39
138	Study of magnetoimpedance effect in Co-Fe-Si-B glass-covered microwires. Sensors and Actuators A: Physical, 2006, 129, 216-219.	2.0	6
139	The influence of size on coercive field of ultra soft magnetic materials. Journal of Magnetism and Magnetic Materials, 2006, 301, 527-531.	1.0	5
140	High-temperature soft magnetic properties of Co-doped nanocrystalline alloys. Journal of Magnetism and Magnetic Materials, 2006, 302, 454-458.	1.0	36
141	Influence of Nb addition on structural and magnetic properties of FeNbAlGaPCB metallic glasses. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1461-1464.	1.0	2
142	Mössbauer and magnetic studies of $(\text{Fe}_{100-x}\text{Co}_x)_{62}\text{Nb}_{8\text{B}30}$ ($x=0, 33, 50$) alloys. Journal of Magnetism and Magnetic Materials, 2005, 292, 447-452.	1.0	24
143	Influence of rapid stress annealing on magnetic and structural properties of nanocrystalline $\text{Fe}_{74.5}\text{Cu}_{1\text{Nb}3}\text{Si}_{15.5}\text{B}_6$ alloy. Journal of Magnetism and Magnetic Materials, 2005, 294, e141-e144.	1.0	20
144	Hysteresis cycles of soft nanoparticles, influence of size, shape and material. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 540-543.	1.0	5

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145	Magnetic Decoupling in Soft Magnetic Nanocrystalline Alloys. , 2005, , 157-164.		2
146	Magnetic and structural study of $(\text{Fe}_{1-x}\text{Co}_x)_{62}\text{Nb}_8\text{B}_{30}$ bulk amorphous alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 1048-1052.	2.6	13
147	Dependence of magnetic properties of the Fe-Co-Cu-Nb-Si-B nanocrystalline alloys on magnetic field frequency and temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 1072-1077.	2.6	13
148	Magnetic properties at elevated temperatures of Co substituted Finemet alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 1110-1115.	2.6	13
149	Study of structural and magnetic properties of $(\text{Fe}_{100-x}\text{Co}_x)_{73.5}\text{Si}_{13.5}\text{B}_9\text{Nb}_3\text{Cu}_1$ alloys. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3603-3607.	0.8	13
150	Microstructure and magnetic properties of $\text{Fe}_{85}\text{Co}_{15}\text{Nb}_5\text{B}_8\text{P}_2$ high temperature nanocrystalline alloys. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1506-1507.	1.0	4
151	A novel method determining longitudinally induced magnetic anisotropy in amorphous and nanocrystalline soft materials. Journal of Magnetism and Magnetic Materials, 2004, 280, 391-394.	1.0	3
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