

Pablo Hernandez-Gomez

List of Publications by Year in descending order

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56
papers

962
citations

840776

11
h-index

454955

30
g-index

56
all docs

56
docs citations

56
times ranked

667
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, physical, magnetic and electrical properties of Al ³⁺ Ga substituted co-precipitated nanocrystalline strontium hexaferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 881-886.	2.3	171
2	Synthesis, magnetic and dielectric properties of Er ³⁺ Ni doped Sr-hexaferrite nanomaterials for applications in High density recording media and microwave devices. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 15-19.	2.3	134
3	Effect of doping of Zr ⁴⁺ Zn binary mixtures on structural, electrical and magnetic properties of Sr-hexaferrite nanoparticles. <i>Journal of Alloys and Compounds</i> , 2009, 478, 736-740.	5.5	121
4	Research on La ³⁺ Co ²⁺ -substituted strontium ferrite magnets for high intrinsic coercive force. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 305, 524-528.	2.3	113
5	Magnetic, physical and electrical properties of Zr ⁴⁺ Ni-substituted co-precipitated strontium hexaferrite nanoparticles. <i>Scripta Materialia</i> , 2007, 57, 1093-1096.	5.2	91
6	Influence of annealing temperature and doping rate on the magnetic properties of Zr ⁴⁺ Mn substituted Sr-hexaferrite nanoparticles. <i>Journal of Alloys and Compounds</i> , 2010, 500, 113-116.	5.5	64
7	Analysis of magnetic disaccommodation in La ³⁺ Co ²⁺ -substituted strontium ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2421-2424.	2.3	33
8	Influence of sintering atmosphere on the magnetic after-effect in strontium ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 157-158, 123-124.	2.3	26
9	Field-Induced Microwave Absorption in Ni Ferrite Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 475-478.	2.1	16
10	An approach to the magnetic disaccommodation in Ti-substituted Ba ²⁺ W hexaferrites. <i>Journal of Applied Physics</i> , 2000, 87, 6250-6252.	2.5	14
11	Synthesis, structural characterization and broadband ferromagnetic resonance in Li ferrite nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018, 765, 186-192.	5.5	13
12	Effect of tetravalent substitutions on the magnetic disaccommodation in magnetite. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 3180-3183.	0.8	10
13	Broadband transverse susceptibility in multiferroic Y-type hexaferrite Ba _{0.5} Sr _{1.5} Co ₂ Fe ₂ O ₂₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 478-482.	2.3	10
14	Broadband ferromagnetic resonance in Mn-doped Li ferrite nanoparticles. <i>Materials Research Bulletin</i> , 2019, 112, 432-437.	5.2	9
15	Influence of stoichiometry on the magnetic disaccommodation in barium M-type hexaferrites. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 1062-1070.	2.8	8
16	A new method to measure permittivity and permeability in nanopowder materials in microwave range. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 719-725.	2.3	8
17	Investigation of the garnet ²⁺ perovskite transition in Nd doped YIG by means of magnetic disaccommodation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 1792-1795.	0.8	7
18	Magnetic disaccommodation in single yttrium iron garnet crystal. <i>Applied Physics Letters</i> , 1996, 68, 564-565.	3.3	6

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19	Magnetic aftereffects in Si-doped YIG. IEEE Transactions on Magnetics, 2002, 38, 3024-3026.	2.1	6
20	Magnetic disaccommodation in Sr hexagonal ferrites with X-phase ($2\text{SrO}\cdot 15\text{Fe}_2\text{O}_3$) initial composition. Physica B: Condensed Matter, 2002, 320, 267-269.	2.7	6
21	Effect of Sn addition on the magnetic aftereffects of yttrium iron garnets. IEEE Transactions on Magnetics, 2003, 39, 3115-3117.	2.1	6
22	Ferromagnetic resonance and electric characterization in double perovskite $\text{Sr}_2\text{FeMoO}_6$. Journal of Applied Physics, 2003, 93, 8068-8070.	2.5	6
23	Contactless Technique for Low-Frequency Measurement of Resistivity in Nonmagnetic Conductive Tubes. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 418-421.	4.7	6
24	The magnetic disaccommodation in aluminium ferrites. Journal of Magnetism and Magnetic Materials, 1999, 202, 141-149.	2.3	5
25	Magnetic Disaccommodation in Ferrites with Nonmagnetic Divalent Substitutions. Japanese Journal of Applied Physics, 2001, 40, 2245-2250.	1.5	5
26	Influence of stoichiometry on the magnetic disaccommodation in M-type Sr hexaferrites. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1843-E1844.	2.3	5
27	Defect concentration in Ti-substituted YIG from TG curves. Journal of Thermal Analysis and Calorimetry, 2006, 86, 195-198.	3.6	5
28	Advantages of the Use of Metal Foams for Electromagnetic Shielding. Key Engineering Materials, 0, 543, 125-128.	0.4	5
29	Magnetic aftereffects in hexagonal ferrites with $\text{BaO}\cdot 9\text{Fe}/\text{sub } 2/\text{O}/\text{sub } 3/$ stoichiometric initial composition. IEEE Transactions on Magnetics, 2002, 38, 3482-3487.	2.1	4
30	Investigation of the magnetic aftereffects in Ti-doped YIG. IEEE Transactions on Magnetics, 2005, 41, 3475-3477.	2.1	4
31	An approach to the magnetic relaxation processes in lithium ferrites. Journal of Magnetism and Magnetic Materials, 2007, 316, e809-e812.	2.3	4
32	The electromagnetic field in conductive slabs and cylinders submitted to a harmonic longitudinal magnetic field. American Journal of Physics, 2009, 77, 1074-1081.	0.7	4
33	Magnetic aftereffects in magnesium ferrites. IEEE Transactions on Magnetics, 2001, 37, 3028-3032.	2.1	3
34	A new technique for obtaining the activation energy distribution of a relaxing system. Applied Physics A: Materials Science and Processing, 2003, 77, 543-547.	2.3	3
35	Electron paramagnetic resonance of double perovskite $\text{Ba}_2\text{FeMoO}_6$. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 4087-4091.	0.8	3
36	Effect of annealing temperature and substitution of Zr-Cu on magnetic properties of strontium hexaferrite nanoparticles. Journal of Physics: Conference Series, 2009, 153, 012053.	0.4	3

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37	Measurement at microwave frequencies of the magnetic properties of small quantities of powdered or diluted samples. <i>Journal of Applied Physics</i> , 2015, 117, 17E133.	2.5	3
38	Magnetic after-effects in Ni ferrite nanoparticles. <i>Materials Letters</i> , 2018, 225, 62-64.	2.6	3
39	An Approach to the Magnetic Disaccommodation in Nd Doped Yttrium Iron Garnets. <i>Materials Science Forum</i> , 2004, 455-456, 143-147.	0.3	2
40	Simple standard problem for the Preisach moving model. <i>Physica B: Condensed Matter</i> , 2004, 343, 107-111.	2.7	2
41	Study of the magnetic disaccommodation in La doped YIG. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 3568-3571.	0.8	2
42	Effect of sintering conditions on the magnetic disaccommodation in barium M-type hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 304, e766-e768.	2.3	2
43	A micromagnetic study of the oscillations of pinned domain walls in magnetic ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e295-e298.	2.3	2
44	Magnetoabsorption and magnetic hysteresis in Ni ferrite nanoparticles. <i>EPJ Web of Conferences</i> , 2013, 40, 17003.	0.3	2
45	Analysis of magnetic aftereffects in strontium hexagonal ferrites with W-type stoichiometry. <i>Journal of Applied Physics</i> , 2003, 93, 7480-7482.	2.5	1
46	Relationship between the giant magnetoimpedance effect and the relaxation of magnetic permeability. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 1610-1613.	0.8	1
47	Study of phase transitions in Ti and Sn doped Ba W-type hexaferrites by means of magnetic disaccommodation techniques. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 3589-3592.	0.8	1
48	Analysis of Phase Transitions in La and Nd Substituted YIG with Magnetic Disaccommodation Measurement. <i>Materials Science Forum</i> , 2006, 514-516, 319-322.	0.3	1
49	Study of Inhomogeneities in Non-Magnetic Tubes by Means of a Contactless Inductive Technique. <i>Materials Science Forum</i> , 2008, 587-588, 258-262.	0.3	1
50	Influence of tensile stress and frequency on the longitudinal magnetic hysteresis of amorphous wires. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1544-1547.	2.3	1
51	Wideband Ferromagnetic Resonance in Nanostructured Arrays. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	1
52	Influence of the measurement frequency on the magnetic disaccommodation spectra of YIG samples. <i>Physica B: Condensed Matter</i> , 2002, 320, 264-266.	2.7	0
53	Study of Giant Magnetoimpedance in Amorphous Wires by Means of the Complex Impedance Phase Analysis. <i>Materials Science Forum</i> , 2004, 455-456, 153-156.	0.3	0
54	Wideband ferromagnetic resonance in nanostructured line arrays. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 1093-1096.	0.8	0

#	ARTICLE	IF	CITATIONS
55	Influence of La substitutions on the magnetic after-effect in hexaferrites and garnets. Journal of Physics: Conference Series, 2017, 903, 012044.	0.4	0
56	IMPROVING BASIC PHYSICS LAB EXPERIMENTS WITH TWO WAY COMPUTER-INSTRUMENTS COMMUNICATION. EDULEARN Proceedings, 2016, , .	0.0	0