

# 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	Broadband transverse susceptibility in multiferroic Y-type hexaferrite Ba <sub>0.5</sub> Sr <sub>1.5</sub> Co <sub>2</sub> Fe <sub>2</sub> O <sub>22</sub> . Journal of Magnetism and Magnetic Materials, 2019, 476, 478-482.	2.3	10
2	Broadband ferromagnetic resonance in Mn-doped Li ferrite nanoparticles. Materials Research Bulletin, 2019, 112, 432-437.	5.2	9
3	Magnetic after-effects in Ni ferrite nanoparticles. Materials Letters, 2018, 225, 62-64.	2.6	3
4	Synthesis, structural characterization and broadband ferromagnetic resonance in Li ferrite nanoparticles. Journal of Alloys and Compounds, 2018, 765, 186-192.	5.5	13
5	Influence of La substitutions on the magnetic after-effect in hexaferrites and garnets. Journal of Physics: Conference Series, 2017, 903, 012044.	0.4	0
6	IMPROVING BASIC PHYSICS LAB EXPERIMENTS WITH TWO WAY COMPUTER-INSTRUMENTS COMMUNICATION. EDULEARN Proceedings, 2016, , .	0.0	0
7	Measurement at microwave frequencies of the magnetic properties of small quantities of powdered or diluted samples. Journal of Applied Physics, 2015, 117, 17E133.	2.5	3
8	Wideband ferromagnetic resonance in nanostructured line arrays. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1093-1096.	0.8	0
9	Wideband Ferromagnetic Resonance in Nanostructured Arrays. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	1
10	A new method to measure permittivity and permeability in nanopowder materials in microwave range. Applied Physics A: Materials Science and Processing, 2013, 112, 719-725.	2.3	8
11	Magnetoabsorption and magnetic hysteresis in Ni ferrite nanoparticles. EPJ Web of Conferences, 2013, 40, 17003.	0.3	2
12	Synthesis, magnetic and dielectric properties of Er <sup>3+</sup> /Ni doped Sr-hexaferrite nanomaterials for applications in High density recording media and microwave devices. Journal of Magnetism and Magnetic Materials, 2012, 324, 15-19.	2.3	134
13	Field-Induced Microwave Absorption in Ni Ferrite Nanoparticles. IEEE Transactions on Magnetics, 2010, 46, 475-478.	2.1	16
14	Influence of tensile stress and frequency on the longitudinal magnetic hysteresis of amorphous wires. Journal of Magnetism and Magnetic Materials, 2010, 322, 1544-1547.	2.3	1
15	Influence of annealing temperature and doping rate on the magnetic properties of Zr <sup>4+</sup> /Mn substituted Sr-hexaferrite nanoparticles. Journal of Alloys and Compounds, 2010, 500, 113-116.	5.5	64
16	Analysis of magnetic disaccommodation in La <sup>3+</sup> /Co <sup>2+</sup> -substituted strontium ferrites. Journal of Magnetism and Magnetic Materials, 2009, 321, 2421-2424.	2.3	33
17	Effect of doping of Zr <sup>4+</sup> /Zn binary mixtures on structural, electrical and magnetic properties of Sr-hexaferrite nanoparticles. Journal of Alloys and Compounds, 2009, 478, 736-740.	5.5	121
18	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

#	ARTICLE	IF	CITATIONS
19	Effect of annealing temperature and substitution of Zr-Cu on magnetic properties of strontium hexaferrite nanoparticles. <i>Journal of Physics: Conference Series</i> , 2009, 153, 012053.	0.4	3
20	Synthesis, physical, magnetic and electrical properties of Al-Ga substituted co-precipitated nanocrystalline strontium hexaferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 881-886.	2.3	171
21	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
22	Electron paramagnetic resonance of double perovskite Ba <sub>2</sub> FeMoO <sub>6</sub> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 4087-4091.	0.8	3
23	Magnetic, physical and electrical properties of Zr-Ni-substituted co-precipitated strontium hexaferrite nanoparticles. <i>Scripta Materialia</i> , 2007, 57, 1093-1096.	5.2	91
24	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
25	An approach to the magnetic relaxation processes in lithium ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e809-e812.	2.3	4
26	Contactless Technique for Low-Frequency Measurement of Resistivity in Nonmagnetic Conductive Tubes. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2007, 56, 418-421.	4.7	6
27	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
28	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
29	Defect concentration in Ti-substituted YIG from TG curves. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 86, 195-198.	3.6	5
30	Research on La <sub>3+</sub> -Co <sub>2+</sub> -substituted strontium ferrite magnets for high intrinsic coercive force. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 305, 524-528.	2.3	113
31	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
32	Investigation of the magnetic aftereffects in Ti-doped YIG. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 3475-3477.	2.1	4
33	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
34	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
35	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
36	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

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37	Investigation of the garnet-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
38	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
39	Influence of stoichiometry on the magnetic disaccommodation in M-type Sr hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E1843-E1844.	2.3	5
40	Simple standard problem for the Preisach moving model. <i>Physica B: Condensed Matter</i> , 2004, 343, 107-111.	2.7	2
41	A new technique for obtaining the activation energy distribution of a relaxing system. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 77, 543-547.	2.3	3
42	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
43	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
44	Effect of Sn addition on the magnetic aftereffects of yttrium iron garnets. <i>IEEE Transactions on Magnetism</i> , 2003, 39, 3115-3117.	2.1	6
45	Ferromagnetic resonance and electric characterization in double perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> . <i>Journal of Applied Physics</i> , 2003, 93, 8068-8070.	2.5	6
46	Magnetic aftereffects in Si-doped YIG. <i>IEEE Transactions on Magnetism</i> , 2002, 38, 3024-3026.	2.1	6
47	Magnetic aftereffects in hexagonal ferrites with BaO <sub>0.9</sub> Fe <sub>2/3</sub> stoichiometric initial composition. <i>IEEE Transactions on Magnetism</i> , 2002, 38, 3482-3487.	2.1	4
48	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
49	Magnetic disaccommodation in Sr hexagonal ferrites with X-phase (2SrO <sub>0.15</sub> Fe <sub>2</sub> O <sub>3</sub> ) initial composition. <i>Physica B: Condensed Matter</i> , 2002, 320, 267-269.	2.7	6
50	Magnetic aftereffects in magnesium ferrites. <i>IEEE Transactions on Magnetism</i> , 2001, 37, 3028-3032.	2.1	3
51	Magnetic Disaccommodation in Ferrites with Nonmagnetic Divalent Substitutions. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 2245-2250.	1.5	5
52	An approach to the magnetic disaccommodation in Ti-substituted Ba-W hexaferrites. <i>Journal of Applied Physics</i> , 2000, 87, 6250-6252.	2.5	14
53	The magnetic disaccommodation in aluminium ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 202, 141-149.	2.3	5
54	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

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55	Magnetic disaccommodation in single yttrium iron garnet crystal. Applied Physics Letters, 1996, 68, 564-565.	3.3	6
56	Advantages of the Use of Metal Foams for Electromagnetic Shielding. Key Engineering Materials, 0, 543, 125-128.	0.4	5