

Gustavo S Dias

List of Publications by Year in descending order

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all docs

44
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Ferroc states in La doped BiFeO ₃ -PbTiO ₃ multiferroic compounds. Journal of Applied Physics, 2012, 111, 114105.	1.1	47
2	Defect-antidefect correlations in a lyotropic liquid crystal from a cosmological point of view. Physical Review E, 2007, 75, 061704.	0.8	28
3	Simple and facile approach to synthesize magnetite nanoparticles and assessment of their effects on blood cells. Journal of Magnetism and Magnetic Materials, 2012, 324, 559-563.	1.0	27
4	Intensifying the photocatalytic degradation of methylene blue by the formation of BiFeO ₃ /Fe ₃ O ₄ nanointerfaces. Ceramics International, 2020, 46, 18768-18777.	2.3	23
5	Structural phase relations in perovskite-structured BiFeO ₃ -based multiferroic compounds. Journal of Advanced Ceramics, 2013, 2, 103-111.	8.9	21
6	Synthesis and physical property measurements of CoFe ₂ O ₄ :BaTiO ₃ core-shell composite nanoparticles. Ferroelectrics, 2016, 499, 76-82.	0.3	21
7	La doped BiFeO ₃ ceramics synthesized under extreme conditions: Enhanced magnetic and dielectric properties. Ceramics International, 2021, 47, 20407-20412.	2.3	17
8	Multiferroic Behavior of Lead-free AlFeO ₃ and Mn, Nb Doped Compositions. Ferroelectrics, 2014, 460, 108-116.	0.3	16
9	Synthesis and characterization of structural, microstructural and ferroic properties of CoFe ₂ O ₄ nanoparticles and CoFe ₂ O ₄ :BaTiO ₃ core-shell nanocomposites. Integrated Ferroelectrics, 2016, 174, 88-97.	0.3	14
10	Enhanced ferroism in mechanically processed and environmentally friendly Ba _{0.30} Na _{0.70} Ti _{0.30} Nb _{0.70} O ₃ ceramics. Scripta Materialia, 2012, 66, 542-545.	2.6	13
11	Highly resistive fast-sintered BiFeO ₃ ceramics. Integrated Ferroelectrics, 2016, 174, 43-49.	0.3	13
12	<i>In situ</i> synthesis of Fe ₃ O ₄ nanoparticles coated by chito-oligosaccharides: physico-chemical characterizations and cytotoxicity evaluation for biomedical applications. Nanotechnology, 2020, 31, 175602.	1.3	12
13	Charge carriers and small-polaron migration as the origin of intrinsic dielectric anomalies in multiferroic TbMnO ₃ polycrystals. Journal of Physics Condensed Matter, 2013, 25, 475401.	0.7	11
14	Magnetite nanoparticles with controlled sizes via thermal degradation of optimized PVA/Fe(III) complexes. Journal of Magnetism and Magnetic Materials, 2018, 460, 381-390.	1.0	11
15	On the effects of dislocations on the magnetism of BiFeO ₃ nanoparticles. Journal of Alloys and Compounds, 2021, 887, 161421.	2.8	11
16	Tuning the magnetic response of cryo-milled BiFeO ₃ nanoparticles by controlling crystallite sizes and internal strain. Powder Technology, 2019, 347, 215-219.	2.1	10
17	On the microscopic mechanism for the stabilization of structural and ferroic states in displacive multiferroics. Journal of Applied Physics, 2013, 113, 114105.	1.1	9
18	Structural Refinement and Ferroic Properties in BiFeO ₃ -Based Compounds. Integrated Ferroelectrics, 2011, 131, 230-236.	0.3	7

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19	On the unusual magnetic response of cryomilled BiFeO ₃ polycrystals. <i>Ferroelectrics</i> , 2018, 534, 146-151.	0.3	7
20	Study of the crystal and electronic structures of (Bi _{1-x} Nd _x)FeO ₃ compositions using Rietveld refinements and the maximum entropy method. <i>Ferroelectrics</i> , 2019, 545, 167-174.	0.3	7
21	Effect of the synthesis atmosphere on the magnetic and structural properties of TbMnO ₃ multiferroic polycrystals. <i>Scripta Materialia</i> , 2014, 89, 65-68.	2.6	5
22	Evidence of the stable existence of a morphotropic phase boundary in the BaTiO ₃ -NaNbO ₃ system. <i>Materials Chemistry and Physics</i> , 2019, 237, 121794.	2.0	5
23	On the Characteristics of Perovskite Structured BiFeO ₃ -PbTiO ₃ Thin Films: Their Potential to Multifunctional Photovoltaic Applications. <i>Brazilian Journal of Physics</i> , 2021, 51, 1215-1223.	0.7	5
24	Photodegradation of methylene blue by mechanosynthesized BiFeO ₃ submicron particles. <i>Ferroelectrics</i> , 2018, 534, 190-198.	0.3	4
25	On mechanical properties and bioactivity of PVDF-BCP composites. <i>Ceramica</i> , 2018, 64, 359-366.	0.3	4
26	Ferroelectric, magnetic and microstructural studies on CoFe ₂ O ₄ :BaTiO ₃ core-shell magnetoelectric nanocomposites using microscopy. <i>Ferroelectrics</i> , 2019, 545, 134-140.	0.3	4
27	Dielectric investigations in unconventionally processed TbMnO ₃ ceramics. <i>Scripta Materialia</i> , 2013, 68, 293-296.	2.6	3
28	On the synthesis and characterization of (bio)ferroelectrically active PVDF-BCP composites. <i>Ferroelectrics</i> , 2018, 533, 63-71.	0.3	3
29	Synthesis and ferroic and multiferroic studies on Bi _{1-x} Nd _x Fe _{0.99} Co _{0.01} O ₃ compositions. <i>Ferroelectrics</i> , 2018, 534, 114-120.	0.3	3
30	Conduction mechanisms in thin (0.6)BiFeO ₃ -(0.4)PbTiO ₃ films. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2888-2896.	2.6	3
31	Maximum Entropy Method Applied in the Experimental Visualization of Electron Density Distributions in BiFeO ₃ . <i>Integrated Ferroelectrics</i> , 2015, 166, 168-174.	0.3	2
32	Processamento e caracterizações estruturais, microestruturais e ferroelétricas do composto magnetoelétrico BiFeO ₃ -PbTiO ₃ obtido pelo método de Pechini. <i>Ceramica</i> , 2016, 62, 115-120.	0.3	2
33	Evidencing the magnetoelectric coupling in Bi _{1-x} Nd _x FeO ₃ compositions through ferroic characterizations. <i>Integrated Ferroelectrics</i> , 2016, 174, 98-103.	0.3	2
34	Characterization of Heat Diffusion Properties of Rubberized Two-Layer Systems Using Open Photoacoustic Cell Spectroscopy. <i>Applied Spectroscopy</i> , 2018, 72, 251-256.	1.2	2
35	Structural and magnetic properties of BiFeO ₃ -PbTiO ₃ polycrystals. <i>Ferroelectrics</i> , 2018, 534, 121-128.	0.3	2
36	On the synthesis and characterization of environmentally friendly BTNN-PVDF bulk composites. <i>Ferroelectrics</i> , 2019, 545, 70-79.	0.3	2

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37	On the superparamagnetic behavior of BiFeO ₃ ∩PbTiO ₃ nanoparticles. Journal of Applied Physics, 2019, 126, 084103.	1.1	2
38	Polyvinylidene fluoride ∩ Hydroxyapatite O∩ ³ biocomposite filaments processed by twin-screw extrusion. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104891.	1.5	2
39	Photoacoustic methods for in vitro study of kinetics progesterone release from the biodegradation of polyhydroxybutyrate/polycaprolactone used as intravaginal devices. Applied Physics Letters, 2013, 103, .	1.5	1
40	Study of the origin of ferroic properties using crystal and electronic structures in BiFeO ₃ -based compositions. Ferroelectrics, 2018, 535, 128-135.	0.3	1
41	On the stable coexistence of the orthorhombic and rhombohedral symmetries in BiFeO ₃ compound. Ferroelectrics, 2019, 545, 119-126.	0.3	1
42	Using the finite element method for the investigation of the magnetoelectric effect in 2-2 laminar composites. Ferroelectrics, 2019, 545, 175-183.	0.3	1
43	On the potentialities of the Ba _{0.20} Na _{0.80} Ti _{0.20} Nb _{0.80} O ₃ lead-free composition for pyroelectric applications. Materials Letters, 2020, 261, 127003.	1.3	1