

# Gustavo S Dias

## List of Publications by Year in descending order

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43  
papers

386  
citations

840585

11  
h-index

839398

18  
g-index

44  
all docs

44  
docs citations

44  
times ranked

468  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyvinylidene fluoride "Hydroxyapatite O <sub>3</sub> " biocomposite filaments processed by twin-screw extrusion. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 125, 104891.	1.5	2
2	Conduction mechanisms in thin (0.6)BiFeO <sub>3</sub> -(0.4)PbTiO <sub>3</sub> films. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2888-2896.	2.6	3
3	On the Characteristics of Perovskite Structured BiFeO <sub>3</sub> -PbTiO <sub>3</sub> Thin Films: Their Potential to Multifunctional Photovoltaic Applications. <i>Brazilian Journal of Physics</i> , 2021, 51, 1215-1223.	0.7	5
4	La doped BiFeO <sub>3</sub> ceramics synthesized under extreme conditions: Enhanced magnetic and dielectric properties. <i>Ceramics International</i> , 2021, 47, 20407-20412.	2.3	17
5	On the effects of dislocations on the magnetism of BiFeO <sub>3</sub> nanoparticles. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161421.	2.8	11
6	<i>In situ</i> synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles coated by chito-oligosaccharides: physico-chemical characterizations and cytotoxicity evaluation for biomedical applications. <i>Nanotechnology</i> , 2020, 31, 175602.	1.3	12
7	On the potentialities of the Ba <sub>0.20</sub> Na <sub>0.80</sub> Ti <sub>0.20</sub> Nb <sub>0.80</sub> O <sub>3</sub> lead-free composition for pyroelectric applications. <i>Materials Letters</i> , 2020, 261, 127003.	1.3	1
8	Intensifying the photocatalytic degradation of methylene blue by the formation of BiFeO <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> nanointerfaces. <i>Ceramics International</i> , 2020, 46, 18768-18777.	2.3	23
9	Evidence of the stable existence of a morphotropic phase boundary in the BaTiO <sub>3</sub> -NaNbO <sub>3</sub> system. <i>Materials Chemistry and Physics</i> , 2019, 237, 121794.	2.0	5
10	On the stable coexistence of the orthorhombic and rhombohedral symmetries in BiFeO <sub>3</sub> compound. <i>Ferroelectrics</i> , 2019, 545, 119-126.	0.3	1
11	Study of the crystal and electronic structures of (Bi <sub>1-x</sub> Nd <sub>x</sub> )FeO <sub>3</sub> compositions using Rietveld refinements and the maximum entropy method. <i>Ferroelectrics</i> , 2019, 545, 167-174.	0.3	7
12	Using the finite element method for the investigation of the magnetoelectric effect in 2-2 laminar composites. <i>Ferroelectrics</i> , 2019, 545, 175-183.	0.3	1
13	Ferroelectric, magnetic and microstructural studies on CoFe <sub>2</sub> O <sub>4</sub> :BaTiO <sub>3</sub> core-shell magnetoelectric nanocomposites using microscopy. <i>Ferroelectrics</i> , 2019, 545, 134-140.	0.3	4
14	On the synthesis and characterization of environmentally friendly BTNN-PVDF bulk composites. <i>Ferroelectrics</i> , 2019, 545, 70-79.	0.3	2
15	On the superparamagnetic behavior of BiFeO <sub>3</sub> -PbTiO <sub>3</sub> nanoparticles. <i>Journal of Applied Physics</i> , 2019, 126, 084103.	1.1	2
16	Tuning the magnetic response of cryo-milled BiFeO <sub>3</sub> nanoparticles by controlling crystallite sizes and internal strain. <i>Powder Technology</i> , 2019, 347, 215-219.	2.1	10
17	Magnetite nanoparticles with controlled sizes via thermal degradation of optimized PVA/Fe(III) complexes. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 381-390.	1.0	11
18	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

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19	On the unusual magnetic response of cryomilled BiFeO <sub>3</sub> polycrystals. <i>Ferroelectrics</i> , 2018, 534, 146-151.	0.3	7
20	On the synthesis and characterization of (bio)ferroelectrically active PVDF-BCP composites. <i>Ferroelectrics</i> , 2018, 533, 63-71.	0.3	3
21	Synthesis and ferroic and multiferroic studies on Bi <sub>1-x</sub> Nd <sub>x</sub> Fe <sub>0.99</sub> Co <sub>0.01</sub> O <sub>3</sub> compositions. <i>Ferroelectrics</i> , 2018, 534, 114-120.	0.3	3
22	Structural and magnetic properties of BiFeO <sub>3</sub> -PbTiO <sub>3</sub> polycrystals. <i>Ferroelectrics</i> , 2018, 534, 121-128.	0.3	2
23	Photodegradation of methylene blue by mechanosynthesized BiFeO <sub>3</sub> submicron particles. <i>Ferroelectrics</i> , 2018, 534, 190-198.	0.3	4
24	Study of the origin of ferroic properties using crystal and electronic structures in BiFeO <sub>3</sub> -based compositions. <i>Ferroelectrics</i> , 2018, 535, 128-135.	0.3	1
25	On mechanical properties and bioactivity of PVDF-BCP composites. <i>Ceramica</i> , 2018, 64, 359-366.	0.3	4
26	Processamento e caracterização das estruturas estruturais, microestruturais e ferroelétricas do composto magnetoelétrico BiFeO <sub>3</sub> -PbTiO <sub>3</sub> obtido pelo método de Pechini. <i>Ceramica</i> , 2016, 62, 115-120.	0.3	2
27	Synthesis and characterization of structural, microstructural and ferroic properties of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles and CoFe <sub>2</sub> O <sub>4</sub> :BaTiO <sub>3</sub> core-shell nanocomposites. <i>Integrated Ferroelectrics</i> , 2016, 174, 88-97.	0.3	14
28	Highly resistive fast-sintered BiFeO <sub>3</sub> ceramics. <i>Integrated Ferroelectrics</i> , 2016, 174, 43-49.	0.3	13
29	Evidencing the magnetoelectric coupling in Bi <sub>1-x</sub> Nd <sub>x</sub> FeO <sub>3</sub> compositions through ferroic characterizations. <i>Integrated Ferroelectrics</i> , 2016, 174, 98-103.	0.3	2
30	Synthesis and physical property measurements of CoFe <sub>2</sub> O <sub>4</sub> :BaTiO <sub>3</sub> core-shell composite nanoparticles. <i>Ferroelectrics</i> , 2016, 499, 76-82.	0.3	21
31	Maximum Entropy Method Applied in the Experimental Visualization of Electron Density Distributions in BiFeO <sub>3</sub> . <i>Integrated Ferroelectrics</i> , 2015, 166, 168-174.	0.3	2
32	Effect of the synthesis atmosphere on the magnetic and structural properties of TbMnO <sub>3</sub> multiferroic polycrystals. <i>Scripta Materialia</i> , 2014, 89, 65-68.	2.6	5
33	Multiferroic Behavior of Lead-free AlFeO <sub>3</sub> and Mn, Nb Doped Compositions. <i>Ferroelectrics</i> , 2014, 460, 108-116.	0.3	16
34	Structural phase relations in perovskite-structured BiFeO <sub>3</sub> -based multiferroic compounds. <i>Journal of Advanced Ceramics</i> , 2013, 2, 103-111.	8.9	21
35	On the microscopic mechanism for the stabilization of structural and ferroic states in displacive multiferroics. <i>Journal of Applied Physics</i> , 2013, 113, 114105.	1.1	9
36	Dielectric investigations in unconventionally processed TbMnO <sub>3</sub> ceramics. <i>Scripta Materialia</i> , 2013, 68, 293-296.	2.6	3

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37	Charge carriers and small-polaron migration as the origin of intrinsic dielectric anomalies in multiferroic $\text{TbMnO}_3$ polycrystals. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 475401.	0.7	11
38	Photoacoustic methods for in vitro study of kinetics progesterone release from the biodegradation of polyhydroxybutyrate/polycaprolactone used as intravaginal devices. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	1
39	Ferroic states in La doped $\text{BiFeO}_3$ - $\text{PbTiO}_3$ multiferroic compounds. <i>Journal of Applied Physics</i> , 2012, 111, 114105.	1.1	47
40	Enhanced ferroism in mechanically processed and environmentally friendly $\text{Ba}_{0.30}\text{Na}_{0.70}\text{Ti}_{0.30}\text{Nb}_{0.70}\text{O}_3$ ceramics. <i>Scripta Materialia</i> , 2012, 66, 542-545.	2.6	13
41	Simple and facile approach to synthesize magnetite nanoparticles and assessment of their effects on blood cells. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 559-563.	1.0	27
42	Structural Refinement and Ferroic Properties in $\text{BiFeO}_3$ -Based Compounds. <i>Integrated Ferroelectrics</i> , 2011, 131, 230-236.	0.3	7
43	Defect-antidefect correlations in a lyotropic liquid crystal from a cosmological point of view. <i>Physical Review E</i> , 2007, 75, 061704.	0.8	28