Marcelo MacÃªdo

List of Publications by Year
in descending order

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58	1,583	516710 16	302126 39
papers	citations	h-index	g-index

59	59	59	2282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Visible-Light-Responsive Photocatalytic Activity Significantly Enhanced by Active [V_{Zn}+V_O⁺] Defects in Self-Assembled ZnO Nanoparticles. Inorganic Chemistry, 2021, 60, 4475-4496.	4.0	44
2	Intra-4f transitions-induced red emission in ZnO-Eu2O3 ceramic. Radiation Physics and Chemistry, 2021, 183, 109392.	2.8	0
3	Remarkable magnetic anisotropy of nickel nanocrystals growth with dominantly exposed {1 1 1} facets in coir fiber pores. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114663.	3.5	0
4	Characteristics of analog memristor on thin-film Pt/Co0.2TiO3.2/ITO. Journal of Materials Science: Materials in Electronics, 2020, 31, 5692-5696.	2.2	1
5	Transition from homogeneous to filamentary behavior in ZnO/ZnO-Al thin films. Journal of Alloys and Compounds, 2019, 770, 1200-1207.	5.5	4
6	Disorder of Fe(2)O5 bipyramids and spin-phonon coupling in SrFe12O19 nanoparticles. Ceramics International, 2019, 45, 13571-13574.	4.8	16
7	Study of Filament Resistive Switching in New Pt/Co_{0.2}TiO_{3.2}/ITO Devices for Application in Nonâ€Volatile Memory. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800369.	1.8	2
8	A novel structure ZnO-Fe-ZnO thin film memristor. Materials Science in Semiconductor Processing, 2018, 86, 43-48.	4.0	16
9	Al2O3 thin film multilayer structure for application in RRAM devices. Solid-State Electronics, 2018, 149, 1-5.	1.4	14
10	Permanent Data Storage in ZnO Thin Films by Filamentary Resistive Switching. PLoS ONE, 2016, 11, e0168515.	2.5	16
11	Hopkinson effect, structural and magnetic properties of M-type Sm3+-doped SrFe12O19 nanoparticles produced by a proteic solâ€“gel process. Ceramics International, 2016, 42, 5865-5872.	4.8	79
12	Resistive switching: An investigation of the bipolarâ€“unipolar transition in Co-doped ZnO thin films. Materials Research Bulletin, 2015, 66, 147-150.	5.2	7
13	Investigation of structural and magnetic properties of nanocrystalline Mn-doped SrFe12O19 prepared by proteic solâ€“gel process. Journal of Magnetism and Magnetic Materials, 2015, 395, 263-270.	2.3	52
14	Mechanical properties of epoxy resin based on granite stone powder from the Sergipe fold-and-thrust belt composites. Materials Research, 2014, 17, 878-887.	1.3	22
15	Effect of Substituting Sr²⁺ for Gd³⁺ on Structural and Magnetoelectric Properties of W-Type Hexaferrite. Advanced Materials Research, 2014, 975, 268-273.	0.3	0
16	Structural and Magnetoelectric Properties of a New W-Type Hexaferrite (Sr_{0.85}Ce_{0.15}Co₂Fe₁₆O_{27-Î´}). Advanced Materials Research, 2014, 975, 263-267.	0.3	1
17	Synthesis and Characterization of Nickel Nanoparticles Prepared Using the Aquolif Approach. Journal of Nanoscience and Nanotechnology, 2014, 14, 5903-5910.	0.9	6
18	Structural, Optical, and Electrical Properties of ZnO/Nb/ZnO Multilayer Thin Films. Advanced Materials Research, 2014, 975, 238-242.	0.3	4

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19	Spinâ€“phonon coupling in multiferroic Ba1.6Sr1.4Co2Fe24O41. Journal of Magnetism and Magnetic Materials, 2014, 364, 95-97.	2.3	7
20	Ferromagnetism in Zn-doped CeO2 Induced by Oxygen Vacancies. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2541-2543.	1.8	8
21	Room-Temperature Ferromagnetism in Chemically Synthesized Ce0.97Cr0.03O2â^Î´ Nanopowders. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2549-2552.	1.8	5
22	AFM and XRD characterization of silver nanoparticles films deposited on the surface of DGEBA epoxy resin by ion sputtering. Polimeros, 2013, 23, 19-23.	0.7	19
23	The effects of Cr-doping on the room temperature ferromagnetism of chemically synthesized CeO2â^Î´ nanoparticles. Physica B: Condensed Matter, 2012, 407, 3218-3221.	2.7	20
24	Study of the magnetic and structural properties of Mn-, Fe-, and Co-doped ZnO powder. Physica B: Condensed Matter, 2012, 407, 3229-3232.	2.7	23
25	Ferromagnetism in diluted magnetic Zn-Co-doped CeO2â^Î´. Physica B: Condensed Matter, 2012, 407, 3233-3235.	2.7	14
26	Physical properties of a natural lamellar aluminosilicate structure, rich in Fe. Journal of Magnetism and Magnetic Materials, 2012, 324, 2306-2309.	2.3	0
27	Radioluminescence in ZnO. Radiation Physics and Chemistry, 2010, 79, 612-614.	2.8	14
28	Structural and magnetic study of Fe-doped CeO2. Physica B: Condensed Matter, 2010, 405, 1821-1825.	2.7	75
29	Nanocrystals of Zn_{1-x}M_xO (M = Co, Mn) by proteic sol-gel process. Journal of Physics: Conference Series, 2010, 200, 072084.	0.4	3
30	Spectroscopy studies of NiFe2O4 nanosized powders obtained using coconut water. Journal of Alloys and Compounds, 2009, 485, 637-641.	5.5	51
31	Rietveld refinement of transition metal doped ZnO. Powder Diffraction, 2008, 23, S36-S41.	0.2	23
32	Wettability under Imposed Flow as a Function of the Baking Temperatures of a DGEBA Epoxy Resin Used in the Crude Oil Industry. Energy & Fuels, 2007, 21, 2311-2316.	5.1	1
33	Influence of Li on the K-edge of O and L2,3 of the Mn XANES in LixMn2O4 thin films. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 326-328.	1.7	9
34	The influence of the pressure and temperature on the light emission of the ZnO. Physica B: Condensed Matter, 2007, 398, 291-293.	2.7	11
35	Electrodeposition of Co strips structured by CO2 laser microlithography. Physica B: Condensed Matter, 2006, 384, 12-14.	2.7	0
36	Nanocrystals of BaFe12O19 obtained by the proteic solâ€“gel process. Physica B: Condensed Matter, 2006, 384, 88-90.	2.7	39

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37	Structural and electrochemical behavior of tungsten oxide obtained by solid state reaction. Solid State Ionics, 2006, 177, 697-701.	2.7	9
38	SrFe12O19 prepared by the proteic solâ€“gel process. Physica B: Condensed Matter, 2006, 384, 91-93.	2.7	37
39	Production and Electrochemical Properties of LiMn₂O₄ Thin Films via a Proteic Sol-Gel Process. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 242-246.	0.1	0
40	Synthesis of Yttria Nanopowders Doped with Rare Earth via a Coconut Water-Based Sol-Gel Process. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 247-252.	0.1	4
41	Novel Route for the Preparation of Nanosized NiFe2O4Powders. Japanese Journal of Applied Physics, 2004, 43, 5249-5252.	1.5	16
42	Chitosan-based ferrimagnetic membrane. Physica B: Condensed Matter, 2004, 354, 171-173.	2.7	7
43	Preparation and characterization of (3-aminopropyl)triethoxysilane-coated magnetite nanoparticles. Journal of Magnetism and Magnetic Materials, 2004, 279, 210-217.	2.3	707
44	Yttria thin films doped with rare earth for applications in radiation detectors and thermoluminescent dosimeters. Microelectronics Journal, 2003, 34, 557-559.	2.0	32
45	LixMn2O4 thin films characterization by X-ray, electrical conductivity and XANES. Microelectronics Journal, 2003, 34, 561-563.	2.0	12
46	BaFe12O19 thin film grown by an aqueous solâ€“gel process. Microelectronics Journal, 2003, 34, 565-567.	2.0	29
47	An Alternative Method to Prepare CoFe2O4 Thin Films. Physica Status Solidi (B): Basic Research, 2000, 220, 413-415.	1.5	10
48	Sol-gel electrochromic device. Journal of Sol-Gel Science and Technology, 1994, 2, 667-671.	2.4	27
49	<title>Sol-gel coatings for optoelectronic devices</title>. , 1994, 2255, 38.		9
50	Niobia sol gel: a new material for electrochromic and photoelectric applications. , 1994, , .		2
51	Sol-gel coatings for electrochromic devices. , 1992, , .		7
52	Electrochromic smart windows. Journal of Non-Crystalline Solids, 1992, 147-148, 792-798.	3.1	45
53	Transparent storage layers for H+and Li+ions prepared by sol-gel technique. , 1991, 1536, 48.		4
54	Characterization of an all solid-state electrochromic window. , 1990, , .		18

#	Article	IF	Citations
55	Magnetocrystalline Properties of Sr_{1.4}Ba_{1.6}Co₂Fe₂₄O<sub>41</su Advanced Materials Research, 0, 975, 111-115.		
56	Cr-Doping-Induced Ferromagnetism in CeO_{2-Î´} Nanopowders. Advanced Materials Research, 0, 975, 42-49.	0.3	2
57	Effects of Ca²⁺-Doping on the Crystal Lattice of Î±-Fe₂O₃. Advanced Materials Research, 0, 975, 116-121.	0.3	0
58	Memristor Behavior under Dark and Violet Illumination in Thin Films of ZnO/ZnO-Al Multilayers. , 0, , .		0