

Miguel Angel Ramirez Gil

List of Publications by Year in descending order

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65
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270111

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340414

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65
docs citations

65
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Approaches of Nanoceramics with Magnetic, Photoluminescent, and Gas-Sensing Properties. ACS Omega, 2020, 5, 14879-14889.	1.6	16
2	Enhanced electrical behavior in Ca _{1-x} Sr _x Cu ₃ Ti ₄ O ₁₂ ceramics. Ceramics International, 2019, 45, 14305-14311.	2.3	16
3	Towards carbon monoxide sensors based on europium doped cerium dioxide. Applied Surface Science, 2019, 464, 692-699.	3.1	41
4	Photoluminescence behavior on Sr ²⁺ modified CaCu ₃ Ti ₄ O ₁₂ based ceramics. Ceramics International, 2018, 44, 10781-10789.	2.3	20
5	Dielectric and non-ohmic properties of Ca ₂ Cu ₂ Ti ₄ -xSn _x O ₁₂ (0.0 ≤ x ≤ 4.0) multiphase ceramic composites. Journal of Alloys and Compounds, 2018, 735, 140-149.	2.8	34
6	Optical and gas-sensing properties, and electronic structure of the mixed-phase CaCu ₃ Ti ₄ O ₁₂ /CaTiO ₃ composites. Materials Research Bulletin, 2017, 93, 47-55.	2.7	30
7	Magnetoelectricity at room temperature in the LaFeO ₃ /BiFeO ₃ heterostructures. Journal of Materials Science: Materials in Electronics, 2016, 27, 9325-9334.	1.1	9
8	Dielectric properties of bismuth niobate films using LaNiO ₃ bottom electrode. Journal of Materials Science: Materials in Electronics, 2016, 27, 2866-2874.	1.1	3
9	Fabrication and structural characterization of bismuth niobate thin films grown by chemical solution deposition. Journal of Materials Science: Materials in Electronics, 2015, 26, 1142-1150.	1.1	2
10	Magnetoelectric coupling of LaFeO ₃ /BiFeO ₃ heterostructures. Ceramics International, 2015, 41, 13126-13134.	2.3	19
11	Enhancement of ferromagnetic and ferroelectric properties in calcium doped BiFeO ₃ by chemical synthesis. Ceramics International, 2015, 41, 9265-9275.	2.3	17
12	Photoluminescence properties of cerium oxide nanoparticles as a function of lanthanum content. Materials Research Bulletin, 2015, 70, 416-423.	2.7	72
13	Electrical behavior analysis of n-type CaCu ₃ Ti ₄ O ₁₂ thick films exposed to different atmospheres. Journal of the European Ceramic Society, 2015, 35, 153-161.	2.8	29
14	Influence of Sm ³⁺ doping on the dielectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramics synthesized via autocombustion. Inorganic Chemistry Communication, 2014, 40, 5-7.	1.8	11
15	Synthesis, structure and magnetic properties of Y ₃ Fe _{5-x} Al _x O ₁₂ garnets prepared by the soft chemical method. Processing and Application of Ceramics, 2014, 8, 211-218.	0.4	13
16	Effect of Seed Addition on SnO ₂ -Based Varistors for Low Voltage Application. Journal of the American Ceramic Society, 2013, 96, 524-530.	1.9	17
17	Influence of mineralizer agents on the growth of crystalline CeO ₂ nanospheres by the microwave-hydrothermal method. Journal of Alloys and Compounds, 2013, 550, 245-251.	2.8	64
18	Low-temperature synthesis of nanosized bismuth ferrite by the soft chemical method. Ceramics International, 2013, 39, 13-20.	2.3	37

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19	Correlation Between Photoluminescence and Structural Defects in $\text{Ca}_{1-x}\text{Cu}_x\text{TiO}_3$ Systems. <i>Journal of the American Ceramic Society</i> , 2013, 96, 209-217.	2.3	37
20	Piezoresponse force microscopy characterization of rare-earth doped BiFeO_3 thin films grown by the soft chemical method. <i>Ceramics International</i> , 2013, 39, 2185-2195.	2.3	30
21	Degradation Analysis of the SnO_2 and ZnO -Based Varistors Using Electrostatic Force Microscopy. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1801-1809.	1.9	12
22	Structural refinement and photoluminescence properties of irregular cube-like $(\text{Ca}_{1-x}\text{Cu}_x)\text{TiO}_3$ microcrystals synthesized by the microwave-hydrothermal method. <i>Materials Chemistry and Physics</i> , 2012, 136, 130-139.	2.0	24
23	Caracterizaç�o el�trica de blocos varistores � base de SnO_2 . <i>Ceramica</i> , 2012, 58, 349-356.	0.3	0
24	Enhanced ferroelectric properties of La-substituted BiFeO_3 thin films on $\text{LaSrCoO}_3/\text{Pt}/\text{TiO}_2/\text{SiO}_2/\text{Si}(100)$ substrates prepared by the soft chemical method. <i>Ceramics International</i> , 2012, 38, 3841-3849.	2.3	15
25	Electric and dielectric behavior of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ -based thin films obtained by soft chemical method. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9930-9933.	2.8	22
26	Electrical and microstructural properties of CaTiO_3 -doped $\text{K}_{1/2}\text{Na}_{1/2}\text{NbO}_3$ -lead free ceramics. <i>Bulletin of Materials Science</i> , 2011, 34, 1213-1217.	0.8	17
27	Elastic modulus and hardness of CaTiO_3 , $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ and $\text{CaTiO}_3/\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ mixture. <i>Materials Letters</i> , 2010, 64, 1226-1228.	1.3	32
28	Microstructural and nonohmic properties of $\text{ZnO}:\text{Pr}_6\text{O}_{11}$ CoO polycrystalline system. <i>Materials Research</i> , 2010, 13, 29-34.	0.6	7
29	Influence of degradation on the electrical conduction process in ZnO and SnO_2 -based varistors. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	19
30	Influence of vanadium on electrical and microstructural properties of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}/\text{CaTiO}_3$. <i>Journal of Alloys and Compounds</i> , 2010, 497, 349-353.	2.8	37
31	Evaluation of the effect of the stoichiometric ratio of Ca/Cu on the electrical and microstructural properties of the $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ polycrystalline system. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 185503.	1.3	55
32	A polaronic stacking fault defect model for $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ material: an approach for the origin of the huge dielectric constant and semiconducting coexistent features. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 055404.	1.3	143
33	The influence of area/volume ratio on microstructure and non-Ohmic properties of SnO_2 -based varistor ceramic blocks. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 49-54.	1.1	12
34	Comparison of non-Ohmic accelerated ageing of the ZnO - and SnO_2 -based voltage dependent resistors. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 015503.	1.3	27
35	Relationship between grain-boundary capacitance and bulk shallow donors in SnO_2 polycrystalline semiconductor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1694-1698.	0.8	10
36	Ferroelectric and piezoelectric properties of bismuth layered thin films grown on (100) Pt electrodes. <i>Journal of Materials Processing Technology</i> , 2008, 196, 10-14.	3.1	10

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37	Lanthanum-doped Bi ₄ Ti ₃ O ₁₂ prepared by the soft chemical method: Rietveld analysis and piezoelectric properties. <i>Ceramics International</i> , 2008, 34, 257-261.	2.3	56
38	Conventional and microwave sintering of CaCu ₃ Ti ₄ O ₁₂ /CaTiO ₃ ceramic composites: non-ohmic and dielectric properties. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 152004.	1.3	38
39	Comparative Electrical Behavior at Low and High Current of SnO ₂ and ZnO-Based Varistors. <i>Journal of the American Ceramic Society</i> , 2008, 91, 2402-2404.	1.9	38
40	Mechanical Properties and Dimensional Effects of ZnO- and SnO ₂ -Based Varistors. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3105-3108.	1.9	15
41	Effect of the microwave oven on structural, morphological and electrical properties of SrBi ₄ Ti ₄ O ₁₅ thin films grown on Pt/Ti/SiO ₂ /Si substrates by a soft chemical method. <i>Materials Characterization</i> , 2008, 59, 675-680.	1.9	12
42	Leakage current behavior of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ ferroelectric thin films deposited on different bottom electrodes. <i>Materials Chemistry and Physics</i> , 2008, 107, 72-76.	2.0	20
43	Effect of oxidizing atmosphere on the electrical properties of SrBi ₄ Ti ₄ O ₁₅ thin films obtained by the polymeric precursor method. <i>Solid State Sciences</i> , 2008, 10, 1951-1957.	1.5	7
44	Growth of SrBi ₄ Ti ₄ O ₁₅ thin films in a microwave oven by the polymeric precursor method. <i>Journal of Alloys and Compounds</i> , 2008, 455, 407-412.	2.8	12
45	Comparative degradation of ZnO- and SnO ₂ -based polycrystalline non-ohmic devices by current pulse stress. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 122002.	1.3	35
46	Dielectric behaviour of CaCu ₃ Ti ₄ O ₁₂ -epoxy composites. <i>Materials Research</i> , 2008, 11, 85-88.	0.6	35
47	Separation of dielectric and space charge polarizations in CaCu ₃ Ti ₄ O ₁₂ •CaTiO ₃ composite polycrystalline systems. <i>Applied Physics Letters</i> , 2007, 90, 142912.	1.5	34
48	Evolution of CaCu ₃ Ti ₄ O ₁₂ varistor properties during heat treatment in vacuum. <i>Ceramics International</i> , 2007, 33, 1187-1190.	2.3	56
49	Characterization of ZnO-degraded varistors used in high-tension devices. <i>Materials Research Bulletin</i> , 2007, 42, 1159-1168.	2.7	29
50	Synthesis and characterization of CaBi ₄ Ti ₄ O ₁₅ thin films annealed by microwave and conventional furnaces. <i>Solid State Sciences</i> , 2007, 9, 756-760.	1.5	19
51	Oriented growth of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films on RuO ₂ /SiO ₂ /Si substrates by using the polymeric precursor method: Structural, microstructural and electrical properties. <i>Journal of Electroceramics</i> , 2007, 18, 39-43.	0.8	0
52	The effect of microwave annealing on the electrical characteristics of lanthanum doped bismuth titanate films obtained by the polymeric precursor method. <i>Applied Surface Science</i> , 2006, 252, 8471-8475.	3.1	7
53	Control of retention and fatigue-free characteristics in CaBi ₄ Ti ₄ O ₁₅ thin films prepared by chemical method. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2206-2211.	1.4	22
54	Importance of oxygen atmosphere to recover the ZnO-based varistors properties. <i>Journal of Materials Science</i> , 2006, 41, 6221-6227.	1.7	41

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55	Synthesis and electrical characterization of CaBi ₂ Nb ₂ O ₉ thin films deposited on Pt/Ti/SiO ₂ /Si substrates by polymeric precursor method. <i>Materials Chemistry and Physics</i> , 2006, 98, 203-206.	2.0	16
56	Microwave synthesis of calcium bismuth niobate thin films obtained by the polymeric precursor method. <i>Materials Research Bulletin</i> , 2006, 41, 1461-1467.	2.7	6
57	Ferroelectric characteristics of SrBi ₄ Ti ₄ O ₁₅ thin films grown on Pt/Ti/SiO ₂ /Si substrates by the soft chemical method. <i>Materials Letters</i> , 2006, 60, 2020-2023.	1.3	20
58	Electromechanical properties of calcium bismuth titanate films: A potential candidate for lead-free thin-film piezoelectrics. <i>Applied Physics Letters</i> , 2006, 88, 072916.	1.5	38
59	Non-Ohmic and dielectric properties of a Ca ₂ Cu ₂ Ti ₄ O ₁₂ polycrystalline system. <i>Applied Physics Letters</i> , 2006, 89, 212102.	1.5	98
60	Dielectric spectroscopy analysis of CaCu ₃ Ti ₄ O ₁₂ polycrystalline systems. <i>Applied Physics Letters</i> , 2006, 89, 191117.	1.5	60
61	Influence of temperature on the dielectric and ferroelectric properties of bismuth titanate thin films obtained by the polymeric precursor method. <i>Materials Chemistry and Physics</i> , 2005, 92, 373-378.	2.0	20
62	Effect of the excess of bismuth on the morphology and properties of the BaBi ₂ Ta ₂ O ₉ ceramics. <i>Materials Letters</i> , 2005, 59, 656-661.	1.3	13
63	The failure analyses on ZnO varistors used in high tension devices. <i>Journal of Materials Science</i> , 2005, 40, 5591-5596.	1.7	24
64	Ferroelectric properties and leakage current characteristics of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films prepared by the polymeric precursor method. <i>Journal of Applied Physics</i> , 2005, 98, 114103.	1.1	18
65	Retention characteristics in Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films prepared by the polymeric precursor method. <i>Applied Physics Letters</i> , 2005, 86, 112909.	1.5	21