

# Alexandre Simões

## List of Publications by Year in descending order

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180  
papers

4,759  
citations

93792

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docs citations

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times ranked

4951  
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#	ARTICLE	IF	CITATIONS
1	Electrical transport mechanisms of Neodymium-doped rare-earth semiconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 11632-11649.	1.1	4
2	Inactivation of SARS-CoV-2 by a chitosan/Ag <sub>2</sub> WO <sub>4</sub> composite generated by femtosecond laser irradiation. <i>Scientific Reports</i> , 2022, 12, 8118.	1.6	7
3	Role of Surfaces in the Magnetic and Ozone Gas-Sensing Properties of ZnFe <sub>2</sub> O <sub>4</sub> Nanoparticles: Theoretical and Experimental Insights. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 4605-4617.	4.0	49
4	Bioactivity evaluation of nanosized ZnFe <sub>2</sub> O <sub>4</sub> fabricated by hydrothermal method. <i>Processing and Application of Ceramics</i> , 2021, 15, 374-384.	0.4	0
5	Influence of Synthesis Time on the Morphology and Properties of CeO <sub>2</sub> Nanoparticles: An Experimental/Theoretical Study. <i>Crystal Growth and Design</i> , 2020, 20, 5031-5042.	1.4	22
6	Low-temperature impedance spectroscopic analyses of ceramic electrodes based on Mo and Co co-doped SnO <sub>2</sub> . <i>Processing and Application of Ceramics</i> , 2019, 13, 360-367.	0.4	0
7	Electrical properties of calcium doped BiFeO <sub>3</sub> films on LaNiO <sub>3</sub> coated Pt substrates. <i>Processing and Application of Ceramics</i> , 2018, 12, 153-163.	0.4	1
8	Unveiling the correlation between structural order/disorder character and photoluminescence emissions of NaNbO <sub>3</sub> . <i>CrystEngComm</i> , 2017, 19, 4378-4392.	1.3	17
9	Magnetolectricity at room temperature in the LaFeO <sub>3</sub> /BiFeO <sub>3</sub> heterostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9325-9334.	1.1	9
10	Mechanical properties, water absorption and adhesive properties of diepoxy aliphatic diluent-modified DGEBA/Cycloaliphatic amine networks on 316L stainless steel. <i>International Journal of Adhesion and Adhesives</i> , 2016, 68, 205-211.	1.4	13
11	Role of morphological characteristics on the conductive behavior of LaNiO <sub>3</sub> thin films. <i>Ceramics International</i> , 2016, 42, 16242-16247.	2.3	9
12	Multiferroic behavior of heterostructures composed of lanthanum and bismuth ferrite. <i>Ceramics International</i> , 2016, 42, 16521-16528.	2.3	11
13	Dielectric properties of bismuth niobate films using LaNiO <sub>3</sub> bottom electrode. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2866-2874.	1.1	3
14	Electrical behavior of cerium dioxide films exposed to different gases atmospheres. <i>Ceramics International</i> , 2016, 42, 15023-15029.	2.3	24
15	Photoluminescence emission in zirconium-doped calcium copper titanate powders. <i>Ceramics International</i> , 2016, 42, 4837-4844.	2.3	7
16	Novel ozone gas sensor based on ZnO nanostructures grown by the microwave-assisted hydrothermal route. <i>Ceramics International</i> , 2016, 42, 4539-4545.	2.3	52
17	Rietveld analysis of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin films obtained by RF-sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2175-2182.	1.1	11
18	Corrosion behaviour of polycrystalline Nb <sub>2</sub> O <sub>5</sub> thin films and its size effects. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, 52, 104-110.	0.3	4

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19	Electrical behavior of chemically grown lanthanum ferrite thin films. <i>Ceramics International</i> , 2016, 42, 2234-2240.	2.3	8
20	Photoluminescence of BaZrO <sub>3</sub> explained by a order/disordered transformation. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1993-2001.	1.1	15
21	Fabrication and structural characterization of bismuth niobate thin films grown by chemical solution deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1142-1150.	1.1	2
22	Magnetoelectric coupling of LaFeO <sub>3</sub> /BiFeO <sub>3</sub> heterostructures. <i>Ceramics International</i> , 2015, 41, 13126-13134.	2.3	19
23	Influence of processing route on electrical properties of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> ceramics obtained by tape-casting technology. <i>Materials Research Bulletin</i> , 2015, 70, 20-25.	2.7	5
24	Enhancement of ferromagnetic and ferroelectric properties in calcium doped BiFeO <sub>3</sub> by chemical synthesis. <i>Ceramics International</i> , 2015, 41, 9265-9275.	2.3	17
25	Photoluminescence properties of cerium oxide nanoparticles as a function of lanthanum content. <i>Materials Research Bulletin</i> , 2015, 70, 416-423.	2.7	72
26	Evidence of magnetoelectric coupling on calcium doped bismuth ferrite thin films grown by chemical solution deposition. <i>Journal of Applied Physics</i> , 2014, 115, 17D910.	1.1	6
27	Uniaxially aligned ceramic nanofibers obtained by chemical mechanical processing. <i>Journal of Alloys and Compounds</i> , 2014, 604, 175-180.	2.8	2
28	Effect of soaking time on the photoluminescence properties of cerium oxide nanoparticles. <i>Ceramics International</i> , 2014, 40, 1-9.	2.3	52
29	Photoluminescence emission at room temperature in zinc oxide nano-columns. <i>Materials Research Bulletin</i> , 2014, 50, 12-17.	2.7	11
30	Photoluminescence properties of praseodymium doped cerium oxide nanocrystals. <i>Ceramics International</i> , 2014, 40, 4445-4453.	2.3	81
31	Gas sensor applications of zinc oxide thin film grown by the polymeric precursor method. <i>Ceramics International</i> , 2014, 40, 14991-14996.	2.3	32
32	Electrical behavior of Bi <sub>0.95</sub> Nd <sub>0.05</sub> FeO <sub>3</sub> thin films grown by the soft chemical method. <i>Ceramics International</i> , 2014, 40, 8715-8722.	2.3	10
33	Experimental evidence of enhanced ferroelectricity in Ca doped BiFeO <sub>3</sub> . <i>Materials Chemistry and Physics</i> , 2014, 144, 476-483.	2.0	44
34	Synthesis, structure and magnetic properties of Y <sub>3</sub> Fe <sub>5-x</sub> Al <sub>x</sub> O <sub>12</sub> garnets prepared by the soft chemical method. <i>Processing and Application of Ceramics</i> , 2014, 8, 211-218.	0.4	13
35	Syntheses of bismuth titanate templates obtained by the molten salt method. <i>Ceramics International</i> , 2013, 39, 7291-7296.	2.3	11
36	Intense photoluminescence emission at room temperature in calcium copper titanate powders. <i>Ceramics International</i> , 2013, 39, 3499-3506.	2.3	28

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37	Effect of Seed Addition on $\text{SnO}_2$ -Based Varistors for Low Voltage Application. <i>Journal of the American Ceramic Society</i> , 2013, 96, 524-530.	1.9	17
38	Influence of mineralizer agents on the growth of crystalline $\text{CeO}_2$ nanospheres by the microwave-hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2013, 550, 245-251.	2.8	64
39	Low-temperature synthesis of nanosized bismuth ferrite by the soft chemical method. <i>Ceramics International</i> , 2013, 39, 13-20.	2.3	37
40	$\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ thin films with non-linear resistivity deposited by RF-sputtering. <i>Journal of Alloys and Compounds</i> , 2013, 574, 604-608.	2.8	19
41	Structural investigation and improvement of photoluminescence properties in $\text{Ba}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ powders synthesized by the solid state reaction method. <i>Materials Chemistry and Physics</i> , 2013, 142, 70-76.	2.0	17
42	Piezoresponse force microscopy characterization of rare-earth doped $\text{BiFeO}_3$ thin films grown by the soft chemical method. <i>Ceramics International</i> , 2013, 39, 2185-2195.	2.3	30
43	Degradation Analysis of the $\text{SnO}_2$ and $\text{ZnO}$ -Based Varistors Using Electrostatic Force Microscopy. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1801-1809.	1.9	12
44	Investigation of Ferroelectric Layered Perovskite Barium Bismuth Tantalate Prepared by Solid-State Reaction. <i>Ferroelectrics</i> , 2012, 428, 27-35.	0.3	3
45	Structure, microstructure and dielectric properties of $100\text{-}x(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3\text{-}x[\text{SrTiO}_3]$ composites ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 715-723.	1.1	71
46	Structure, microstructure, ferroelectric/electromechanical properties and retention characteristics of $[\text{Bi}_{1-x}\text{Nb}_x]\text{FeO}_3$ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 703-714.	1.1	11
47	Analysis of semi-solid processing for metal matrix composite synthesis using factorial design. <i>Materials Research</i> , 2012, 15, 144-150.	0.6	6
48	Enhanced ferroelectric properties of La-substituted $\text{BiFeO}_3$ 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
49	Electrical Properties of Textured Niobium-Doped Bismuth Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2601-2607.	1.9	7
50	Dielectric properties of soft chemical method derived $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ thin films onto $\text{Pt}/\text{TiO}_2/\text{Si}(100)$ substrates. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3817-3821.	2.8	25
51	Structure, ferroelectric/magnetolectric properties and leakage current density of $(\text{Bi}_{0.85}\text{Nd}_{0.15})\text{FeO}_3$ thin films. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5326-5335.	2.8	73
52	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
53	Microwave-hydrothermal synthesis of perovskite bismuth ferrite nanoparticles. <i>Materials Research Bulletin</i> , 2011, 46, 2543-2547.	2.7	62
54	Rietveld refinement, microstructure, conductivity and impedance properties of $\text{Ba}[\text{Zr}_{0.25}\text{Ti}_{0.75}]\text{O}_3$ ceramic. <i>Current Applied Physics</i> , 2011, 11, 1282-1293.	1.1	104

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55	Durability of adhesives based on different epoxy/aliphatic amine networks. International Journal of Adhesion and Adhesives, 2011, 31, 177-181.	1.4	21
56	Piezoresponse force microscopy behaviour of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> ceramics with various excess bismuth. Processing and Application of Ceramics, 2011, 5, 1-11.	0.4	6
57	Temperature dependence on the electrical properties of Ba(Ti <sub>0.90</sub> Zr <sub>0.10</sub> )O <sub>3:2V</sub> ceramics. Materials Chemistry and Physics, 2010, 123, 772-775.	2.0	12
58	Effect of oxidizing atmosphere on ferroelectric and piezoelectric response of CaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films. Materials Chemistry and Physics, 2010, 124, 894-899.	2.0	18
59	Influence of aliphatic amine epoxy hardener on the adhesive properties of blends of mono- <i>carboxyl</i> -terminated poly(2-ethylhexyl acrylate- <i>co</i> -methyl methacrylate) with epoxy resin. Journal of Applied Polymer Science, 2010, 117, 2762-2770.	1.3	3
60	Influence of chemical structure of hardener on mechanical and adhesive properties of epoxy polymers. Journal of Applied Polymer Science, 2010, 117, 2213-2219.	1.3	25
61	Retention Characteristics of CBTi <sub>144</sub> Thin Films Explained by Means of X-Ray Photoemission Spectroscopy. Advances in Materials Science and Engineering, 2010, 2010, 1-7.	1.0	1
62	On the photoluminescence behavior of samarium-doped strontium titanate nanostructures under UV light. A structural and electronic understanding. Physical Chemistry Chemical Physics, 2010, 12, 7566.	1.3	68
63	Piezoresponse behavior of niobium doped bismuth ferrite thin films grown by chemical method. Journal of Alloys and Compounds, 2010, 493, 158-162.	2.8	23
64	Lanthanum doped BiFeO <sub>3</sub> powders: Syntheses and characterization. Journal of Alloys and Compounds, 2010, 501, 25-29.	2.8	63
65	Microwave-hydrothermal synthesis of barium strontium titanate nanoparticles. Journal of Alloys and Compounds, 2010, 508, 620-624.	2.8	59
66	Rietveld Analyses and Piezoelectric Properties of Niobium Doped Bismuth Titanate Systems. Journal of Advanced Microscopy Research, 2010, 5, 149-157.	0.3	1
67	Influence of Microwave Energy on Structural and Piezoelectric Response of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Ceramics. Journal of Advanced Microscopy Research, 2010, 5, 209-216.	0.3	1
68	Observation of Piezoelectric Response on Tungsten Doped Barium Zirconium Titanate Ceramics. Journal of Advanced Microscopy Research, 2010, 5, 31-37.	0.3	0
69	Characterization of Ferroelectric Calcium Modified Lead Zirconate Titanate Films by Piezoresponse Force Microscopy. Journal of Advanced Microscopy Research, 2010, 5, 129-136.	0.3	0
70	Microscopic and Dielectric Analyses of Vanadium and Tungsten Modified Barium Zirconium Titanate Ceramics. Journal of Advanced Microscopy Research, 2010, 5, 223-231.	0.3	0
71	Fatigue and retention properties of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> films using LaNiO <sub>3</sub> bottom electrodes. Materials Characterization, 2009, 60, 353-356.	1.9	6
72	Retention characteristics of lanthanum-doped bismuth titanate films annealed at different furnaces. Materials Chemistry and Physics, 2009, 115, 434-438.	2.0	6

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73	Rietveld analysis and electrical properties of lanthanum doped BiFeO <sub>3</sub> ceramics. <i>Materials Chemistry and Physics</i> , 2009, 116, 305-309.	2.0	69
74	Effect of annealing atmosphere on phase formation and electrical characteristics of bismuth ferrite thin films. <i>Materials Research Bulletin</i> , 2009, 44, 1747-1752.	2.7	49
75	Improvement of fatigue resistance on La modified BiFeO <sub>3</sub> thin films. <i>Current Applied Physics</i> , 2009, 9, 520-523.	1.1	52
76	NiTiO <sub>3</sub> powders obtained by polymeric precursor method: Synthesis and characterization. <i>Journal of Alloys and Compounds</i> , 2009, 468, 327-332.	2.8	118
77	Structure and ferro/piezoelectric properties of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> films deposited on TiO <sub>2</sub> buffer layer. <i>Journal of Alloys and Compounds</i> , 2009, 477, 85-89.	2.8	7
78	Structural and dielectric properties of Ba <sub>0.5</sub> Sr <sub>0.5</sub> (Sn <sub>x</sub> Ti <sub>1-x</sub> )O <sub>3</sub> ceramics obtained by the soft chemical method. <i>Journal of Alloys and Compounds</i> , 2009, 477, 877-882.	2.8	33
79	Dielectric investigations of vanadium modified barium zirconium titanate ceramics obtained from mixed oxide method. <i>Journal of Alloys and Compounds</i> , 2009, 479, 280-283.	2.8	23
80	Effect of niobium dopant on fatigue characteristics of BiFeO <sub>3</sub> thin films grown on Pt electrodes. <i>Journal of Alloys and Compounds</i> , 2009, 479, 274-279.	2.8	59
81	Magnetoelectric Coefficient in Strontium Ruthenate Buffered Lanthanum Modified Bismuth Ferrite Thin Films Grown by Chemical Method. <i>Journal of Scanning Probe Microscopy</i> , 2009, 4, 94-99.	0.0	0
82	NiTiO <sub>3</sub> nanoparticles encapsulated with SiO <sub>2</sub> prepared by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 45, 151-155.	1.1	18
83	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
84	Lanthanum-doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> prepared by the soft chemical method: Rietveld analysis and piezoelectric properties. <i>Ceramics International</i> , 2008, 34, 257-261.	2.3	56
85	Effect of the microwave oven on structural, morphological and electrical properties of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films grown on Pt/Ti/SiO <sub>2</sub> /Si substrates by a soft chemical method. <i>Materials Characterization</i> , 2008, 59, 675-680.	1.9	12
86	Leakage current behavior of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> ferroelectric thin films deposited on different bottom electrodes. <i>Materials Chemistry and Physics</i> , 2008, 107, 72-76.	2.0	20
87	Size effects of polycrystalline lanthanum modified Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films. <i>Materials Research Bulletin</i> , 2008, 43, 158-167.	2.7	24
88	CuO urchin-nanostructures synthesized from a domestic hydrothermal microwave method. <i>Materials Research Bulletin</i> , 2008, 43, 771-775.	2.7	79
89	Effect of oxidizing atmosphere on the electrical properties of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films obtained by the polymeric precursor method. <i>Solid State Sciences</i> , 2008, 10, 1951-1957.	1.5	7
90	Strain behavior of lanthanum modified BiFeO <sub>3</sub> thin films prepared via soft chemical method. <i>Journal of Applied Physics</i> , 2008, 104, 104115.	1.1	37

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91	Strain and vacancy cluster behavior of vanadium and tungsten-doped Ba[Zr <sub>0.10</sub> Ti <sub>0.90</sub> ]O <sub>3</sub> ceramics. Applied Physics Letters, 2008, 92, .	1.5	27
92	Dependence of annealing time on structural and morphological properties of Ca(Zr <sub>0.05</sub> Ti <sub>0.95</sub> )O <sub>3</sub> thin films. Journal of Alloys and Compounds, 2008, 453, 386-391.	2.8	5
93	Structural and microstructural characterization of SrBi <sub>2</sub> (Ta <sub>0.5</sub> Nb <sub>0.48</sub> W <sub>0.02</sub> ) <sub>2</sub> O <sub>9</sub> powders. Journal of Alloys and Compounds, 2008, 454, 61-65.	2.8	18
94	Dielectric properties of pure and lanthanum modified bismuth titanate thin films. Journal of Alloys and Compounds, 2008, 454, 66-71.	2.8	11
95	Growth of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films in a microwave oven by the polymeric precursor method. Journal of Alloys and Compounds, 2008, 455, 407-412.	2.8	12
96	Structural and electrical properties of SrBi <sub>2</sub> (Ta <sub>0.5</sub> Nb <sub>0.5</sub> ) <sub>2</sub> O <sub>9</sub> thin films. Journal of Alloys and Compounds, 2008, 458, 500-503.	2.8	5
97	Synthesis and characterization of CuO flower-nanostructure processing by a domestic hydrothermal microwave. Journal of Alloys and Compounds, 2008, 459, 537-542.	2.8	235
98	:W thin films obtained by chemical solution deposition: Morphological and ferroelectric characteristics. Journal of Alloys and Compounds, 2008, 461, 326-330.	2.8	3
99	Dielectric and ferroelectric characteristics of barium zirconate titanate ceramics prepared from mixed oxide method. Journal of Alloys and Compounds, 2008, 462, 129-134.	2.8	146
100	Study of structural evolution and photoluminescent properties at room temperature of Ca(Zr,Ti)O <sub>3</sub> powders. Journal of Alloys and Compounds, 2008, 464, 340-346.	2.8	25
101	Ferroelectric and dielectric properties of vanadium-doped Ba(Ti <sub>0.90</sub> Zr <sub>0.10</sub> )O <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2008, 466, L15-L18.	2.8	47
102	Influence of Tungsten Dopant on Sintering and Curie Temperatures of Ba(Zr <sub>0.10</sub> Ti <sub>0.90</sub> )O <sub>3</sub> Ceramics. Ferroelectrics, 2008, 367, 120-130.	0.3	2
103	Piezoelectric behavior of SrRuO <sub>3</sub> buffered lanthanum modified bismuth ferrite thin films grown by chemical method. Applied Physics Letters, 2008, 93, .	1.5	14
104	Nature of defects for bismuth layered thin films grown on Pt electrodes. Applied Physics Letters, 2007, 90, 082910.	1.5	19
105	Ferroelectric fatigue endurance of Bi <sub>4</sub> â”xLa <sub>x</sub> Ti <sub>3</sub> O <sub>12</sub> thin films explained in terms of x-ray photoelectron spectroscopy. Journal of Applied Physics, 2007, 101, 084112.	1.1	25
106	Intense visible photoluminescence in Ba(Zr <sub>0.25</sub> Ti <sub>0.75</sub> )O <sub>3</sub> thin films. Applied Physics Letters, 2007, 90, 011901.	1.5	61
107	Soft chemical deposition of BiFeO <sub>3</sub> multiferroic thin films. Applied Physics Letters, 2007, 90, 052906.	1.5	63
108	Photoluminescent behavior of SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> powders explained by means of Î²-Bi <sub>2</sub> O <sub>3</sub> phase. Applied Physics Letters, 2007, 90, 261913.	1.5	34

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109	Ferroelectric characteristics of BiFeO <sub>3</sub> thin films prepared via a simple chemical solution deposition. <i>Journal of Applied Physics</i> , 2007, 101, 074108.	1.1	57
110	Mechanisms behind blue, green, and red photoluminescence emissions in CaWO <sub>4</sub> and CaMoO <sub>4</sub> powders. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	97
111	Influence of milling time on mechanically assisted synthesis of Pb <sub>0.91</sub> Ca <sub>0.1</sub> TiO <sub>3</sub> powders. <i>Ceramics International</i> , 2007, 33, 937-941.	2.3	11
112	Evolution of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> varistor properties during heat treatment in vacuum. <i>Ceramics International</i> , 2007, 33, 1187-1190.	2.3	56
113	Electrical properties of lanthanum doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films annealed in different atmospheres. <i>Ceramics International</i> , 2007, 33, 1535-1541.	2.3	7
114	Impact of oxygen atmosphere on piezoelectric properties of CaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films. <i>Acta Materialia</i> , 2007, 55, 4707-4712.	3.8	25
115	Combined experimental and theoretical investigations of the photoluminescent behavior of Ba(Ti,Zr)O <sub>3</sub> thin films. <i>Acta Materialia</i> , 2007, 55, 6416-6426.	3.8	57
116	Dependence of the nonlinear electrical behavior of SnO <sub>2</sub> -based varistors on Cr <sub>2</sub> O <sub>3</sub> addition. <i>Ceramics International</i> , 2007, 33, 187-192.	2.3	21
117	Domestic microwave oven adapted for fast heat treatment of Ba <sub>0.5</sub> Sr <sub>0.5</sub> (Ti <sub>0.8</sub> Sn <sub>0.2</sub> )O <sub>3</sub> powders. <i>Journal of Materials Processing Technology</i> , 2007, 189, 316-319.	3.1	40
118	Synthesis and electrical characterization of tungsten doped Pb(Zr <sub>0.53</sub> Ti <sub>0.47</sub> )O <sub>3</sub> ceramics obtained from a hybrid process. <i>Materials Chemistry and Physics</i> , 2007, 103, 371-374.	2.0	15
119	Temperature dependence of dielectric properties for Ba(Zr <sub>0.25</sub> Ti <sub>0.75</sub> )O <sub>3</sub> thin films obtained from the soft chemical method. <i>Materials Chemistry and Physics</i> , 2007, 105, 293-297.	2.0	30
120	Ferroelectric and piezoelectric properties of bismuth titanate thin films grown on different bottom electrodes by soft chemical solution and microwave annealing. <i>Materials Research Bulletin</i> , 2007, 42, 975-981.	2.7	19
121	Piezoelectric properties of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films annealed in different atmospheres. <i>Materials Research Bulletin</i> , 2007, 42, 967-974.	2.7	14
122	Characterization of ZnO-degraded varistors used in high-tension devices. <i>Materials Research Bulletin</i> , 2007, 42, 1159-1168.	2.7	29
123	Niobium doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> ceramics obtained by the polymeric precursor method. <i>Materials Letters</i> , 2007, 61, 588-591.	1.3	20
124	Dependence of La <sub>2</sub> O <sub>3</sub> content on the nonlinear electrical behaviour of ZnO, CoO and Ta <sub>2</sub> O <sub>5</sub> doped SnO <sub>2</sub> varistors. <i>Materials Letters</i> , 2007, 61, 2121-2125.	1.3	16
125	Synthesis of Ba <sub>0.5</sub> Sr <sub>0.5</sub> (Ti <sub>0.80</sub> Sn <sub>0.20</sub> )O <sub>3</sub> prepared by the soft chemical method. <i>Materials Letters</i> , 2007, 61, 4086-4089.	1.3	10
126	Synthesis and characterization of CaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films annealed by microwave and conventional furnaces. <i>Solid State Sciences</i> , 2007, 9, 756-760.	1.5	19



#	ARTICLE	IF	CITATIONS
127	SrZrO <sub>3</sub> powders obtained by chemical method: Synthesis, characterization and optical absorption behaviour. <i>Solid State Sciences</i> , 2007, 9, 1020-1027.	1.5	47
128	Ferroelectric and dielectric behaviour of Bi <sub>0.92</sub> La <sub>0.08</sub> FeO <sub>3</sub> multiferroic thin films prepared by soft chemistry route. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 44, 269-273.	1.1	25
129	Oriented growth of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films on RuO <sub>2</sub> /SiO <sub>2</sub> /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
130	High Curie point CaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films: A potential candidate for lead-free thin-film piezoelectrics. <i>Journal of Applied Physics</i> , 2006, 100, 074110.	1.1	22
131	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
132	Nonlinear electrical behaviour of the Cr <sub>2</sub> O <sub>3</sub> , ZnO, CoO and Ta <sub>2</sub> O <sub>5</sub> -doped SnO <sub>2</sub> varistors. <i>Ceramics International</i> , 2006, 32, 283-289.	2.3	27
133	Effect of processing route on the phase formation and properties of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> ceramics. <i>Ceramics International</i> , 2006, 32, 707-712.	2.3	33
134	WO <sub>3</sub> and ZnO-doped SnO <sub>2</sub> ceramics as insulating material. <i>Ceramics International</i> , 2006, 32, 713-718.	2.3	10
135	Control of retention and fatigue-free characteristics in CaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films prepared by chemical method. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2206-2211.	1.4	22
136	Ferroelectric and dielectric properties of thin films grown by the soft chemical method. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2972-2976.	1.4	25
137	Dielectric properties of Ca(Zr <sub>0.05</sub> Ti <sub>0.95</sub> )O <sub>3</sub> thin films prepared by chemical solution deposition. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3739-3743.	1.4	14
138	Nature of potential barrier in (Ca <sub>1/4</sub> Cu <sub>3/4</sub> )TiO <sub>3</sub> polycrystalline perovskite. <i>Solid State Communications</i> , 2006, 138, 1-4.	0.9	44
139	Importance of oxygen atmosphere to recover the ZnO-based varistors properties. <i>Journal of Materials Science</i> , 2006, 41, 6221-6227.	1.7	41
140	Mechanically activating formation of layered structured bismuth titanate. <i>Materials Chemistry and Physics</i> , 2006, 96, 471-476.	2.0	38
141	Synthesis and electrical characterization of CaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films deposited on Pt/Ti/SiO <sub>2</sub> /Si substrates by polymeric precursor method. <i>Materials Chemistry and Physics</i> , 2006, 98, 203-206.	2.0	16
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148	Photoluminescence at room temperature in disordered Ba <sub>0.50</sub> Sr <sub>0.50</sub> (Ti <sub>0.80</sub> Sn <sub>0.20</sub> )O <sub>3</sub> thin films. <i>Applied Physics Letters</i> , 2006, 88, 211911.	1.5	12
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150	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
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154	Mechanochemical synthesis of barium titanate. <i>Journal of the European Ceramic Society</i> , 2005, 25, 1985-1989.	2.8	88
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161	Ferroelectric and Dielectric Properties of Lanthanum-Modified Bismuth Titanate Thin Films Obtained by the Polymeric Precursor Method. <i>Journal of Electroceramics</i> , 2004, 13, 65-70.	0.8	18
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164	The influence of crystallization route on the properties of lanthanum-doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films prepared from polymeric precursors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 113, 207-214.	1.7	7
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