## Miguel Angel Ramirez Gil

List of Publications by Year in descending order

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Novel Approaches of Nanoceria with Magnetic, Photoluminescent, and Gas-Sensing Properties. ACS<br>Omega, 2020, 5, 14879-14889.  | 3.5 | 16        |
| 2  | Enhanced electrical behavior in Ca1-xSrxCu3Ti4O12 ceramics. Ceramics International, 2019, 45, 14305-14311.  | 4.8 | 16        |
| 3  | Towards carbon monoxide sensors based on europium doped cerium dioxide. Applied Surface Science, 2019, 464, 692-699.  | 6.1 | 41        |
| 4  | Photoluminescence behavior on Sr 2+ modified CaCu 3 Ti 4 O 12 based ceramics. Ceramics<br>International, 2018, 44, 10781-10789.   | 4.8 | 20        |
| 5  | Dielectric and non-ohmic properties of Ca2Cu2Ti4-xSnxO12 (0.0 ≤ ≤.0) multiphasic ceramic composites. Journal of Alloys and Compounds, 2018, 735, 140-149.                                     | 5.5 | 34        |
| 6  | Optical and gas-sensing properties, and electronic structure of the mixed-phase CaCu 3 Ti 4 O 12 /CaTiO<br>3 composites. Materials Research Bulletin, 2017, 93, 47-55.                        | 5.2 | 30        |
| 7  | Magnetoelectricity at room temperature in the LaFeO3/BiFeO3 heterostructures. Journal of Materials<br>Science: Materials in Electronics, 2016, 27, 9325-9334.                                 | 2.2 | 9         |
| 8  | Dielectric properties of bismuth niobate films using LaNiO3 bottom electrode. Journal of Materials<br>Science: Materials in Electronics, 2016, 27, 2866-2874.                                 | 2.2 | 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. | 2.2 | 2         |
| 10 | Magnetoelectric coupling of LaFeO3/BiFeO3 heterostructures. Ceramics International, 2015, 41, 13126-13134.  | 4.8 | 19        |
| 11 | Enhancement of ferromagnetic and ferroelectric properties in calcium doped BiFeO3 by chemical synthesis. Ceramics International, 2015, 41, 9265-9275.   | 4.8 | 17        |
| 12 | Photoluminescence properties of cerium oxide nanoparticles as a function of lanthanum content.<br>Materials Research Bulletin, 2015, 70, 416-423.   | 5.2 | 72        |
| 13 | Electrical behavior analysis of n-type CaCu3Ti4O12 thick films exposed to different atmospheres.<br>Journal of the European Ceramic Society, 2015, 35, 153-161.                               | 5.7 | 29        |
| 14 | Influence of Sm3+ doping on the dielectric properties of CaCu3Ti4O12 ceramics synthesized via autocombustion. Inorganic Chemistry Communication, 2014, 40, 5-7.                               | 3.9 | 11        |
| 15 | Synthesis, structure and magnetic properties of Y3Fe5-xAlxO12 garnets prepared by the soft chemical method. Processing and Application of Ceramics, 2014, 8, 211-218.                         | 0.8 | 13        |
| 16 | Effect of Seed Addition on <scp><scp>SnO</scp>2â€Based Varistors for Low Voltage<br/>Application. Journal of the American Ceramic Society, 2013, 96, 524-530.</scp>                           | 3.8 | 17        |
| 17 | Influence of mineralizer agents on the growth of crystalline CeO2 nanospheres by the microwave-hydrothermal method. Journal of Alloys and Compounds, 2013, 550, 245-251.                      | 5.5 | 64        |
| 18 | Low-temperature synthesis of nanosized bismuth ferrite by the soft chemical method. Ceramics International, 2013, 39, 13-20.  | 4.8 | 37        |

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|----|---|---------------------|--------------------------------------|
| 19 | Correlation Between Photoluminescence and Structural Defects in<br><scp><scp>Ca</scp></scp> <sub>1+<i>x</i></sub> <scp><scp>Cu</scp></scp> <sub>3<b>â^'</b><i>x</i></sub><br>Systems. Journal of the American Ceramic Society, 2013, 96, 209-217.                         | - <b>(358</b> p > - | <scp&7ti< scp≫<="" td=""></scp&7ti<> |
| 20 | Piezoresponse force microscopy characterization of rare-earth doped BiFeO3 thin films grown by the soft chemical method. Ceramics International, 2013, 39, 2185-2195.   | 4.8                 | 30                                   |
| 21 | Degradation Analysis of the <scp> <scp> SnO</scp>  2 and<br/><scp> <scp>ZnO</scp> </scp> â€Based Varistors Using Electrostatic Force Microscopy. Journal of the<br/>American Ceramic Society, 2013, 96, 1801-1809.</scp>  | 3.8                 | 12                                   |
| 22 | Structural refinement and photoluminescence properties of irregular cube-like (Ca1â^'xCux)TiO3<br>microcrystals synthesized by the microwave–hydrothermal method. Materials Chemistry and Physics,<br>2012, 136, 130-139.   | 4.0                 | 24                                   |
| 23 | Caracterização elétrica de blocos varistores à base de SnO2. Ceramica, 2012, 58, 349-356.   | 0.8                 | Ο                                    |
| 24 | Enhanced ferroelectric properties of La-substituted BiFeO3 thin films on LaSrCoO3/Pt/TiO2/SiO2/Si (100) substrates prepared by the soft chemical method. Ceramics International, 2012, 38, 3841-3849.   | 4.8                 | 15                                   |
| 25 | Electric and dielectric behavior of CaCu3Ti4O12-based thin films obtained by soft chemical method.<br>Journal of Alloys and Compounds, 2011, 509, 9930-9933.  | 5.5                 | 22                                   |
| 26 | Electrical and microstructural properties of CaTiO 3 -doped K 1/2 Na 1/2 NbO 3 -lead free ceramics.<br>Bulletin of Materials Science, 2011, 34, 1213-1217.  | 1.7                 | 17                                   |
| 27 | Elastic modulus and hardness of CaTiO3, CaCu3Ti4O12 and CaTiO3/CaCu3Ti4O12 mixture. Materials<br>Letters, 2010, 64, 1226-1228.  | 2.6                 | 32                                   |
| 28 | Microstructural and nonohmic properties of ZnO.Pr6O11 CoO polycrystalline system. Materials Research, 2010, 13, 29-34.  | 1.3                 | 7                                    |
| 29 | Influence of degradation on the electrical conduction process in ZnO and SnO2-based varistors.<br>Journal of Applied Physics, 2010, 108, .  | 2.5                 | 19                                   |
| 30 | Influence of vanadium on electrical and microstructural properties of CaCu3Ti4O12/CaTiO3. Journal of Alloys and Compounds, 2010, 497, 349-353.  | 5.5                 | 37                                   |
| 31 | Evaluation of the effect of the stoichiometric ratio of Ca/Cu on the electrical and microstructural properties of the CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> polycrystalline system. Journal Physics D: Applied Physics, 2009, 42, 185503.                     | 2.8                 | 55                                   |
| 32 | A polaronic stacking fault defect model for<br>CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> material: an approach for the origin of the huge<br>dielectric constant and semiconducting coexistent features. Journal Physics D: Applied Physics, 2009,<br>42, 055404. | 2.8                 | 143                                  |
| 33 | The influence of area/volume ratio on microstructure and non-Ohmic properties of SnO2-based varistor ceramic blocks. Journal of Materials Science: Materials in Electronics, 2009, 20, 49-54.   | 2.2                 | 12                                   |
| 34 | Comparison of non-Ohmic accelerated ageing of the ZnO- and SnO <sub>2</sub> -based voltage dependent resistors. Journal Physics D: Applied Physics, 2009, 42, 015503.   | 2.8                 | 27                                   |
| 35 | Relationship between grainâ€boundary capacitance and bulk shallow donors in SnO <sub>2</sub><br>polycrystalline semiconductor. Physica Status Solidi (A) Applications and Materials Science, 2008, 205,<br>1694-1698.   | 1.8                 | 10                                   |
| 36 | Ferroelectric and piezoelectric properties of bismuth layered thin films grown on (100) Pt electrodes.<br>Journal of Materials Processing Technology, 2008, 196, 10-14.   | 6.3                 | 10                                   |

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|----|--|-----|-----------|
| 37 | Lanthanum-doped Bi4Ti3O12 prepared by the soft chemical method: Rietveld analysis and piezoelectric properties. Ceramics International, 2008, 34, 257-261.   | 4.8 | 56        |
| 38 | Conventional and microwave sintering of<br>CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /CaTiO <sub>3</sub> ceramic composites: non-ohmic<br>and dielectric properties. Journal Physics D: Applied Physics, 2008, 41, 152004. | 2.8 | 38        |
| 39 | Comparative Electrical Behavior at Low and High Current of SnO <sub>2</sub> ―and ZnOâ€Based<br>Varistors. Journal of the American Ceramic Society, 2008, 91, 2402-2404.  | 3.8 | 38        |
| 40 | Mechanical Properties and Dimensional Effects of ZnO- and SnO2-Based Varistors. Journal of the American Ceramic Society, 2008, 91, 3105-3108.  | 3.8 | 15        |
| 41 | Effect of the microwave oven on structural, morphological and electrical properties of SrBi4Ti4O15 thin films grown on Pt/Ti/SiO2/Si substrates by a soft chemical method. Materials Characterization, 2008, 59, 675-680.          | 4.4 | 12        |
| 42 | Leakage current behavior of Bi3.25La0.75Ti3O12 ferroelectric thin films deposited on different bottom electrodes. Materials Chemistry and Physics, 2008, 107, 72-76.   | 4.0 | 20        |
| 43 | Effect of oxidizing atmosphere on the electrical properties of SrBi4Ti4O15 thin films obtained by the polymeric precursor method. Solid State Sciences, 2008, 10, 1951-1957.   | 3.2 | 7         |
| 44 | Growth of SrBi4Ti4O15 thin films in a microwave oven by the polymeric precursor method. Journal of Alloys and Compounds, 2008, 455, 407-412.   | 5.5 | 12        |
| 45 | Comparative degradation of ZnO- and SnO2-based polycrystalline non-ohmic devices by current pulse stress. Journal Physics D: Applied Physics, 2008, 41, 122002.  | 2.8 | 35        |
| 46 | Dielectric behaviour of CaCu3Ti4O12-epoxy composites. Materials Research, 2008, 11, 85-88.   | 1.3 | 35        |
| 47 | Separation of dielectric and space charge polarizations in CaCu3Ti4O12â^•CaTiO3 composite polycrystalline systems. Applied Physics Letters, 2007, 90, 142912.  | 3.3 | 34        |
| 48 | Evolution of CaCu3Ti4O12 varistor properties during heat treatment in vacuum. Ceramics International, 2007, 33, 1187-1190.   | 4.8 | 56        |
| 49 | Characterization of ZnO-degraded varistors used in high-tension devices. Materials Research Bulletin, 2007, 42, 1159-1168.   | 5.2 | 29        |
| 50 | Synthesis and characterization of CaBi4Ti4O15 thin films annealed by microwave and conventional furnaces. Solid State Sciences, 2007, 9, 756-760.  | 3.2 | 19        |
| 51 | Oriented growth of Bi3.25La0.75Ti3O12 thin films on RuO2/SiO2/Si substrates by using the polymeric precursor method: Structural, microstructural and electrical properties. Journal of Electroceramics, 2007, 18, 39-43.           | 2.0 | 0         |
| 52 | The effect of microwave annealing on the electrical characteristics of lanthanum doped bismuth<br>titanate films obtained by the polymeric precursor method. Applied Surface Science, 2006, 252,<br>8471-8475.                     | 6.1 | 7         |
| 53 | Control of retention and fatigue-free characteristics in CaBi4Ti4O15 thin films prepared by chemical method. Journal of Solid State Chemistry, 2006, 179, 2206-2211.   | 2.9 | 22        |
| 54 | Importance of oxygen atmosphere to recover the ZnO-based varistors properties. Journal of Materials Science, 2006, 41, 6221-6227.  | 3.7 | 41        |

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|----|--|-----|-----------|
| 55 | Synthesis and electrical characterization of CaBi2Nb2O9 thin films deposited on Pt/Ti/SiO2/Si substrates by polymeric precursor method. Materials Chemistry and Physics, 2006, 98, 203-206.            | 4.0 | 16        |
| 56 | Microwave synthesis of calcium bismuth niobate thin films obtained by the polymeric precursor method. Materials Research Bulletin, 2006, 41, 1461-1467.  | 5.2 | 6         |
| 57 | Ferroelectric characteristics of SrBi4Ti4O15 thin films grown on Pt/Ti/SiO2/Si substrates by the soft chemical method. Materials Letters, 2006, 60, 2020-2023.   | 2.6 | 20        |
| 58 | Electromechanical properties of calcium bismuth titanate films: A potential candidate for lead-free thin-film piezoelectrics. Applied Physics Letters, 2006, 88, 072916.                               | 3.3 | 38        |
| 59 | Non-Ohmic and dielectric properties of a Ca2Cu2Ti4O12 polycrystalline system. Applied Physics Letters, 2006, 89, 212102.   | 3.3 | 98        |
| 60 | Dielectric spectroscopy analysis of CaCu3Ti4O12 polycrystalline systems. Applied Physics Letters, 2006, 89, 191117.  | 3.3 | 60        |
| 61 | Influence of temperature on the dielectric and ferroelectric properties of bismuth titanate thin films obtained by the polymeric precursor method. Materials Chemistry and Physics, 2005, 92, 373-378. | 4.0 | 20        |
| 62 | Effect of the excess of bismuth on the morphology and properties of the BaBi2Ta2O9 ceramics.<br>Materials Letters, 2005, 59, 656-661.  | 2.6 | 13        |
| 63 | The failure analyses on ZnO varistors used in high tension devices. Journal of Materials Science, 2005, 40, 5591-5596.   | 3.7 | 24        |
| 64 | Ferroelectric properties and leakage current characteristics of Bi3.25La0.75Ti3O12 thin films prepared by the polymeric precursor method. Journal of Applied Physics, 2005, 98, 114103.                | 2.5 | 18        |
| 65 | Retention characteristics in Bi3.25La0.75Ti3O12 thin films prepared by the polymeric precursor method. Applied Physics Letters, 2005, 86, 112909.  | 3.3 | 21        |