

I. Lista publicațiilor în jurnale ISI

Record 1 of 46

Title: Dielectric and Phonon Spectroscopy of Nb-doped Pb(Zr_{1-y}Ti_y)O₃-CoFe₂O₄ Composites

Author(s): Aurimas Sakanas, Dmitry Nuzhnyy, Robertas Grigalaitis, Juras Banys, Fedir Borodavka, Stanislav Kamba, Cristina Elena Ciomaga, Liliana Mitoseriu

Source: Journal of Applied Physics Volume 121, **DOI:** 10.1063/1.4984199, Accepted: MAY 2017

Record 2 of 46

Title: Preparation and structural characterization of Fe-doped BaTiO₃ diluted magnetic ceramics

Author(s): Felicia Gheorghiu, Mantas Simenas, Cristina Elena Ciomaga (**corr-auth**), Mirela Airimioaei, Vidmantas Kalendra, Juras Banys, Marius Dobromir, Sorin Tascu, Liliana Mitoseriu

Source: CERAMICS INTERNATIONAL, **DOI:** dx.doi.org/10.1016/j.ceramint.2017.05.013, **Accepted:** MAY 2017

Record 3 of 46

Title: Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics

Author(s): Padurariu, Cipriana; Padurariu, Leontin; Curecheriu, Lavinia; Ciomaga, Cristina; Horchidan, Nadejda; Galassi, Carmen; Mitoseriu, Liliana

Source: CERAMICS INTERNATIONAL **Volume:** 43 **Issue:** 7 **Pages:** 5767-5773 **DOI:** 10.1016/j.ceramint.2017.01.123

Published: MAY 2017

Record 4 of 46

Title: Porosity-dependent properties of Nb-doped Pb(Zr,Ti)O₃ ceramics

Author(s): Gheorghiu, Felicia; Padurariu, Leontin; Airimioaei, Mirela; Curecheriu, Lavinia; Ciomaga, Cristina; Padurariu, Cipriana; Galassi, Carmen; Mitoseriu, Liliana

Source: JOURNAL OF THE AMERICAN CERAMIC SOCIETY, **Volume:** 100 **Issue:** 2 **Pages:** 647-658 **DOI:** 10.1111/jace.14587

Published: FEBR 2017

Record 5 of 46

Title: PZT-cobalt ferrite particulate composites: Densification and lead loss controlled by quite-fast sintering

Author(s): Galizia, P (Galizia, Pietro); Ciomaga, CE (Ciomaga, Cristina Elena); Mitoseriu, L (Mitoseriu, Liliana); Galassi, C (Galassi, Carmen)

Source: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY **Volume:** 37 **Issue:** 1 **Pages:** 161-168 **DOI:** 10.1016/j.jeurceramsoc.2016.08.025 **Published:** JAN 2017

Record 6 of 46

Title: Towards novel functional properties by interface reaction in mixtures of BaTiO₃-Fe₂O₃ composite ceramics

Author(s): O. Condurache, I. Turcan, L. Curecheriu, C. Ciomaga, P. Postolache, G. Ciobanu, L. Mitoseriu

Source: Ceramics International 43,1098-1105 (2017)
<http://dx.doi.org/10.1016/j.ceramint.2016.10.047>

Record 7 of 46

Title: Effect of particle size and volume fraction of BaTiO₃ powders on the functional properties of BaTiO₃/poly(epsilon-caprolactone) composites

Author(s): Airimioaei, M (Airimioaei, M.); Stanculescu, R (Stanculescu, R.); Preutu, V (Preutu, V.); Ciomaga, C (Ciomaga, C.); Horchidan, N (Horchidan, N.); Tascu, S (Tascu, S.); Lutic, D (Lutic, D.); Pui, A (Pui, A.); Mitoseriu, L (Mitoseriu, L.)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 182 **Pages:** 246-255 **DOI:** 10.1016/j.matchemphys.2016.07.029 **Published:** OCT 1 2016

Total Times Cited: 0

Record 8 of 46

Title: Diffuse phase transition and high electric field properties of BaCeyTi_{1-y}O₃ relaxor ferroelectric ceramics

Author(s): Curecheriu, LP (Curecheriu, L. P.); Ciomaga, CE (Ciomaga, C. E.); Musteata, V (Musteata, V.); Canu, G (Canu, G.); Buscaglia, V (Buscaglia, V.); Mitoseriu, L (Mitoseriu, L.)

Source: CERAMICS INTERNATIONAL **Volume:** 42 **Issue:** 9 **Pages:** 11085-11092 **DOI:** 10.1016/j.ceramint.2016.04.008 **Published:** JUL 2016

Total Times Cited: 0

Record 9 of 46

Title: A comparative study of hard/soft PZT-based ceramic composites

Author(s): Horchidan, N (Horchidan, N.); Ciomaga, CE (Ciomaga, C. E.); Frunza, RC (Frunza, R. C.); Capiani, C (Capiani, C.); Galassi, C (Galassi, C.); Mitoseriu, L (Mitoseriu, L.)

Source: CERAMICS INTERNATIONAL **Volume:** 42 **Issue:** 7 **Pages:** 9125-9132 **DOI:** 10.1016/j.ceramint.2016.02.179 **Published:** MAY 15 2016

Total Times Cited: 1

Record 10 of 46

Title: Engineering magnetoelectric composites towards application as tunable microwave filters

Author(s): Ciomaga, CE (Ciomaga, Cristina E.); Avadanei, OG (Avadanei, Ovidiu G.); Dumitru, I (Dumitru, Ioan); Airimioaei, M (Airimioaei, Mirela); Tascu, S (Tascu, Sorin); Tufescu, F (Tufescu, Florin); Mitoseriu, L (Mitoseriu, Liliana)

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS **Volume:** 49 **Issue:** 12 **Article Number:** 125002 **DOI:** 10.1088/0022-3727/49/12/125002 **Published:** MAR 31 2016

Total Times Cited: 0

Author Identifiers:

Record 11 of 46

Title: The influence of post-sintering re-oxidation treatment on dielectric response of dense and porous Ba_{0.70}Sr_{0.30}TiO₃ ceramics

Author(s): Stanculescu, RE (Stanculescu, Roxana E.); Ciomaga, CE (Ciomaga, Cristina E.); Horchidan, N (Horchidan, Nadejda); Galassi, C (Galassi, Carmen); Tufescu, FM (Tufescu, Florin Mihai); Mitoseriu, L (Mitoseriu, Liliana)

Source: CERAMICS INTERNATIONAL **Volume:** 42 **Issue:** 1 **Pages:** 527-536 **DOI:** 10.1016/j.ceramint.2015.08.141 **Part:** A **Published:** JAN 2016

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Record 12 of 46

Title: Study of the role of porosity on the functional properties of (Ba,Sr)TiO₃ ceramics

Author(s): Stanculescu, R (Stanculescu, Roxana); Ciomaga, CE (Ciomaga, Cristina E.); Padurariu, L (Padurariu, Leontin); Galizia, P (Galizia, Pietro); Horchidan, N (Horchidan, Nadejda); Capiiani, C (Capiiani, Claudio); Galassi, C (Galassi, Carmen); Mitoseriu, L (Mitoseriu, Liliana)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 643 **Pages:** 79-87 **DOI:** 10.1016/j.jallcom.2015.03.252 **Published:** SEP 15 2015

Times Cited in Web of Science Core Collection: 3

Total Times Cited: 3

Record 13 of 46

Title: Improvement of impedance spectroscopy methods: resonance analysis of samples

Author(s): Balmus, SB (Balmus, Sorin-Bogdan); Ciomaga, CE (Ciomaga, Cristina E.); Horchidan, N (Horchidan, Nadejda); Mitoseriu, L (Mitoseriu, Liliana); Dumitru, I (Dumitru, Ioan)

Source: MEASUREMENT SCIENCE AND TECHNOLOGY **Volume:** 26 **Issue:** 6 **Article Number:** 065601 **DOI:** 10.1088/0957-0233/26/6/065601 **Published:** JUN 2015

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Record 14 of 46

Title: Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr_{0.47}Ti_{0.53})O₃ ceramics for tailoring dielectric and tunability properties

Author(s): Ciomaga, CE (Ciomaga, Cristina E.); Padurariu, L (Padurariu, Leontin); Curecheriu, LP (Curecheriu, Lavinia P.); Lupu, N (Lupu, Nicoleta); Lisiecki, I (Lisiecki, Isabelle); Deluca, M (Deluca, Marco); Tascu, S (Tascu, Sorin); Galassi, C (Galassi, Carmen); Mitoseriu, L (Mitoseriu, Liliana)

Source: JOURNAL OF APPLIED PHYSICS **Volume:** 116 **Issue:** 16 **Article Number:** 164110 **DOI:** 10.1063/1.4900527 **Published:** OCT 28 2014

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Record 15 of 46

Title: Investigation of the functional properties of Mg_xNi_{1-x} Fe₂O₄ ceramics

Author(s): Mocanu, ZV (Mocanu, Z. V.); Airimioaei, M (Airimioaei, M.); Ciomaga, CE (Ciomaga, C. E.); Curecheriu, L (Curecheriu, L.); Tudorache, F (Tudorache, F.); Tascu, S (Tascu, S.); Iordan, AR (Iordan, A. R.); Palamaru, NM (Palamaru, N. M.); Mitoseriu, L (Mitoseriu, L.)

Source: JOURNAL OF MATERIALS SCIENCE **Volume:** 49 **Issue:** 8 **Pages:** 3276-3286 **DOI:** 10.1007/s10853-014-8033-6 **Published:** APR 2014

Times Cited in Web of Science Core Collection: 4

Total Times Cited: 4

Record 16 of 46

Title: Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites

Author(s): Ciomaga, CE (Ciomaga, Cristina Elena); Neagu, AM (Neagu, Alexandra Maria); Pop, MV (Pop, Mihai Valentin); Airimioaei, M (Airimioaei, Mirela); Tascu, S (Tascu, Sorin); Schileo, G (Schileo, Giorgio); Galassi, C (Galassi, Carmen); Mitoseriu, L (Mitoseriu, Liliana)

Source: JOURNAL OF APPLIED PHYSICS **Volume:** 113 **Issue:** 7 **Article Number:** 074103 **DOI:** 10.1063/1.4792494 **Published:** FEB 21 2013

Times Cited in Web of Science Core Collection: 13

Total Times Cited: 13

Record 17 of 46

Title: Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling

Author(s): Ciomaga, CE (Ciomaga, Cristina Elena); Olariu, CS (Olariu, Cristina Stefania); Padurariu, L (Padurariu, Leontin); Sandu, AV (Sandu, Andrei Victor); Galassi, C (Galassi, Carmen); Mitoseriu, L (Mitoseriu, Liliana)

Source: JOURNAL OF APPLIED PHYSICS **Volume:** 112 **Issue:** 9 **Article Number:** 094103 **DOI:** 10.1063/1.4764037 **Published:** NOV 1 2012

Times Cited in Web of Science Core Collection: 8

Total Times Cited: 8

Record 18 of 46

Title: Investigation of the composition-dependent properties of BaTi_{1-x}Zr_xO₃ ceramics prepared by the modified Pechini method

Author(s): Deluca, M (Deluca, Marco); Vasilescu, CA (Vasilescu, Catalina A.); Ianculescu, AC (Ianculescu, Adelina C.); Berger, DC (Berger, Daniela C.); Ciomaga, CE (Ciomaga, Cristina E.); Curecheriu, LP (Curecheriu, Lavinia P.); Stoleriu, L (Stoleriu, Laurentiu); Gajovic, A (Gajovic, Andreja); Mitoseriu, L (Mitoseriu, Liliana); Galassi, C (Galassi, Carmen)

Source: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY **Volume:** 32 **Issue:** 13 **Pages:** 3551-3566 **DOI:** 10.1016/j.jeurceramsoc.2012.05.007 **Published:** OCT 2012

Times Cited in Web of Science Core Collection: 25

Total Times Cited: 25

Record 19 of 46

Title: Preparation and magnetoelectric properties of NiFe₂O₄-PZT composites obtained in-situ by gel-combustion method

Author(s): Ciomaga, CE (Ciomaga, Cristina Elena); Airimioaei, M (Airimioaei, Mirela); Nica, V (Nica, Valentin); Hrib, LM (Hrib, Luminita M.); Caltun, OF (Caltun, Ovidiu F.); Iordan, AR (Iordan, Alexandra R.); Galassi, C (Galassi, Carmen); Mitoseriu, L (Mitoseriu, Liliana); Palamaru, MN (Palamaru, Mircea N.)

Source: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY **Volume:** 32 **Issue:** 12 **Pages:** 3325-3337 **DOI:** 10.1016/j.jeurceramsoc.2012.03.041 **Published:** SEP 2012

Times Cited in Web of Science Core Collection: 33

Total Times Cited: 33

Record 20 of 46

Title: Experimental and analytical modeling of resonant permittivity and permeability in ferroelectric-ferrite composites in microwave range

Author(s): Ciomaga, CE (Ciomaga, Cristina E.); Balmus, SB (Balmus, Sorin B.); Dumitru, I (Dumitru, Ioan); Mitoseriu, L (Mitoseriu, Liliana)

Source: JOURNAL OF APPLIED PHYSICS **Volume:** 111 **Issue:** 12 **Article Number:** 124114 **DOI:** 10.1063/1.4730785 **Published:** JUN 15 2012

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Record 21 of 46

Title: Sol-Gel Synthesis and Characterization of LiMn_{2-x}Cu_xO₄ Spinel

Author(s): Aruxandei, CD (Aruxandei, Carmen Dorina); Cornei, N (Cornei, Nicoleta); Hutanu, CA (Hutanu, Cristina Amalia); Ciomaga, CE (Ciomaga, Cristina Elena); Samoila, PM (Samoila,

Petrisor Mugurel); Iordan, AR (Iordan, Alexandra Raluca); Palamaru, MN (Palamaru, Mircea Nicolae)

Source: REVISTA DE CHIMIE **Volume:** 63 **Issue:** 1 **Pages:** 14-17 **Published:** JAN 2012

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Record 22 of 46

Title: Oxygen deficiency and grain boundary-related giant relaxation in Ba(Zr,Ti)O-3 ceramics

Author(s): Ciomaga, CE (Ciomaga, Cristina E.); Buscaglia, MT (Buscaglia, Maria T.); Buscaglia, V (Buscaglia, Vincenzo); Mitoseriu, L (Mitoseriu, Liliana)

Source: JOURNAL OF APPLIED PHYSICS **Volume:** 110 **Issue:** 11 **Article Number:** 114110 **DOI:** 10.1063/1.3664749 **Published:** DEC 1 2011

Times Cited in Web of Science Core Collection: 26

Total Times Cited: 26

Record 23 of 46

Title: Synthesis and functional properties of the Ni_{1-x}Mn_xFe₂O₄ ferrites

Author(s): Airimioaei, M (Airimioaei, M.); Ciomaga, CE (Ciomaga, C. E.); Apostolescu, N (Apostolescu, N.); Leontie, L (Leontie, L.); Iordan, AR (Iordan, A. R.); Mitoseriu, L (Mitoseriu, L.); Palamaru, MN (Palamaru, M. N.)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 509 **Issue:** 31 **Pages:** 8065-8072 **DOI:** 10.1016/j.jallcom.2011.05.034 **Published:** AUG 4 2011

Times Cited in Web of Science Core Collection: 23

Record 24 of 46

Title: Magnetoelectric ceramic composites with double-resonant permittivity and permeability in GHz range: A route towards isotropic metamaterials

Author(s): Ciomaga, CE (Ciomaga, C. E.); Dumitru, I (Dumitru, I.); Mitoseriu, L (Mitoseriu, L.); Galassi, C (Galassi, C.); Iordan, AR (Iordan, A. R.); Airimioaei, M (Airimioaei, M.); Palamaru, MN (Palamaru, M. N.)

Source: SCRIPTA MATERIALIA **Volume:** 62 **Issue:** 8 **Pages:** 610-612 **DOI:** 10.1016/j.scriptamat.2010.01.005 **Published:** APR 2010

Times Cited in Web of Science Core Collection: 14

Total Times Cited: 14

Record 25 of 46

Title: Ferroelectric-relaxor crossover characteristics in Ba(Zr_xTi_{1-x})O-3 ceramics investigated by AFM-piezoresponse study

Author(s): Ricinschi, D (Ricinschi, Dan); Ciomaga, CE (Ciomaga, Cristina Elena); Mitoseriu, L (Mitoseriu, Liliana); Buscaglia, V (Buscaglia, Vincenzo); Okuyama, M (Okuyama, Masanori)

Source: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY **Volume:** 30 **Issue:** 2 **Special Issue:** SI **Pages:** 237-241 **DOI:** 10.1016/j.jeurceramsoc.2009.05.022 **Published:** JAN 2010

Times Cited in Web of Science Core Collection: 16

Total Times Cited: 17

Record 26 of 46

Title: Preparation and properties of the CoFe₂O₄-Nb-Pb(Zr,Ti)O-3 multiferroic composites prepared in situ by gel-combustion method

Author(s): Ciomaga, CE (Ciomaga, C. E.); Galassi, C (Galassi, C.); Prihor, F (Prihor, F.); Dumitru, I (Dumitru, I.); Mitoseriu, L (Mitoseriu, L.); Iordan, AR (Iordan, A. R.); Airimioaei, M (Airimioaei, M.); Palamaru, MN (Palamaru, M. N.)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 485 **Issue:** 1-2 **Pages:** 372-378 **DOI:** 10.1016/j.jallcom.2009.05.101 **Published:** OCT 19 2009

Times Cited in Web of Science Core Collection: 15

Total Times Cited: 15

Record 27 of 46

Title: In situ preparation of CoFe₂O₄-Pb(ZrTi)O-3 multiferroic composites by gel-combustion technique

Author(s): Iordan, AR (Iordan, A. R.); Airimioaiei, M (Airimioaiei, M.); Palamaru, MN (Palamaru, M. N.); Galassi, C (Galassi, C.); Sandu, AV (Sandu, A. V.); Ciomaga, CE (Ciomaga, C. E.); Prihor, F (Prihor, F.); Mitoseriu, L (Mitoseriu, L.); Ianculescu, A (Ianculescu, A.)

Source: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY **Volume:** 29 **Issue:** 13 **Pages:** 2807-2813 **DOI:** 10.1016/j.jeurceramsoc.2009.03.031 **Published:** OCT 2009

Times Cited in Web of Science Core Collection: 22

Total Times Cited: 23

Record 28 of 46

Title: Temperature-Dependent Tunability in the Paraelectric State of BaTiO₃-Based Solid Solutions

Author(s): Curecheriu, LP (Curecheriu, Lavinia P.); Ciomaga, CE (Ciomaga, Cristina E.); Mitoseriu, L (Mitoseriu, Liliana)

Source: FERROELECTRICS **Volume:** 391 **Pages:** 83-90 **DOI:** 10.1080/00150190903001748 **Published:** 2009

Times Cited in Web of Science Core Collection: 5

Total Times Cited: 5

Record 29 of 46

Title: Compositionally induced ferroelectric-relaxor crossover in Ba(Zr,Ti)O-3 ceramics

Author(s): Ciomaga, CE (Ciomaga, C. E.); Buscaglia, MT (Buscaglia, M. T.); Viviani, M (Viviani, M.); Mitoseriu, L (Mitoseriu, L.); Buscaglia, V (Buscaglia, V.); Nanni, P (Nanni, P.)
Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 10 **Issue:** 9 **Pages:** 2367-2372 **Published:** SEP 2008
Times Cited in Web of Science Core Collection: 2
Total Times Cited: 2

Record 30 of 46

Title: Tunability characteristics of BaTiO(3) - based ceramics: Modeling and experimental study

Author(s): Curecheriu, LP (Curecheriu, L. P.); Tufescu, FM (Tufescu, F. M.); Ianculescu, A (Ianculescu, A.); Ciomaga, CE (Ciomaga, C. E.); Mitoseriu, L (Mitoseriu, L.); Stancu, A (Stancu, A.)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 10 **Issue:** 7 **Pages:** 1792-1795 **Published:** JUL 2008

Times Cited in Web of Science Core Collection: 6

Total Times Cited: 6

Record 31 of 46

Title: Study of the frequency-dependence of the complex permittivity in Ba(Zr, Ti)O(3) ceramics: evidences of the grain boundary phenomena

Author(s): Mitoseriu, L (Mitoseriu, L.); Cioniaga, CE (Cioniaga, C. E.); Dumitru, I (Dumitru, I.); Curecheriu, LP (Curecheriu, L. P.); Prihor, F (Prihor, F.); Guzu, A (Guzu, A.)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 10 **Issue:** 7 **Pages:** 1843-1846 **Published:** JUL 2008

Times Cited in Web of Science Core Collection: 3

Total Times Cited: 3

Record 32 of 46

Title: High-voltage tunability measurements of the BaZr(x)Ti(1-x)O(3) ferroelectric ceramics

Author(s): Tufescu, FM (Tufescu, F. M.); Curecheriu, L (Curecheriu, L.); Ianculescu, A (Ianculescu, A.); Ciomaga, CE (Ciomaga, C. E.); Mitoseriu, L (Mitoseriu, L.)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 10 **Issue:** 7 **Pages:** 1894-1897 **Published:** JUL 2008

Times Cited in Web of Science Core Collection: 24

Total Times Cited: 24

Record 33 of 46

Title: Magnetic properties of the BaTiO3-(Ni, Zn) Fe2O4 multiferroic composites

Author(s): Mitoseriu, L (Mitoseriu, L.); Pallecchi, I (Pallecchi, I.); Buscaglia, V (Buscaglia, V.); Testino, A (Testino, A.); Ciomaga, CE (Ciomaga, C. E.); Stancu, A (Stancu, A.)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 316 **Issue:** 2 **Pages:** E603-E606 **DOI:** 10.1016/j.jmmm.2007.03.036 **Published:** SEP 2007
Times Cited in Web of Science Core Collection: 24
Total Times Cited: 25

Record 34 of 46

Title: Investigation of Ba_{1-x}Sr_xTiO₃ ceramics prepared from powders synthesized by the modified Pechini route

Author(s): Ianculescu, A (Ianculescu, Adelina); Berger, D (Berger, Daniela); Viviani, M (Viviani, Massimo); Ciomaga, CE (Ciomaga, Cristina Elena); Mitoseriu, L (Mitoseriu, Liliana); Vasile, E (Vasile, Eugeniu); Dragan, N (Dragan, Nicolae); Crisan, D (Crisan, Dorel)

Source: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY **Volume:** 27 **Issue:** 13-15 **Pages:** 3655-3658 **DOI:** 10.1016/j.jeurceramsoc.2007.02.017 **Published:** 2007

Times Cited in Web of Science Core Collection: 22

Total Times Cited: 23

Record 35 of 46

Title: Hysteresis and tunability characteristics of Ba(Zr,Ti)O-3 ceramics described by First Order Reversal Curves diagrams

Author(s): Mitoseriu, L (Mitoseriu, L.); Ciomaga, CE (Ciomaga, C. E.); Buseaglia, V (Buseaglia, V.); Stoleriu, L (Stoleriu, L.); Piazza, D (Piazza, D.); Galassi, C (Galassi, C.); Stancu, A (Stancu, A.); Nanni, P (Nanni, P.)

Source: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY **Volume:** 27 **Issue:** 13-15 **Pages:** 3723-3726 **DOI:** 10.1016/j.jeurceramsoc.2007.02.085 **Published:** 2007

Times Cited in Web of Science Core Collection: 16

Total Times Cited: 16

Record 36 of 46

Title: Preparation and characterisation of the Ba(Zr,Ti)O-3 ceramics with relaxor properties

Author(s): Ciomaga, C (Ciomaga, Cristina); Viviani, M (Viviani, Massimo); Buscaglia, MT (Buscaglia, Maria Teresa); Buscaglia, V (Buscaglia, Vincenzo); Mitoseriu, L (Mitoseriu, Lillana); Stancu, A (Stancu, Alexandru); Nanni, P (Nanni, Paolo)

Source: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY **Volume:** 27 **Issue:** 13-15 **Pages:** 4061-4064 **DOI:** 10.1016/J.jeurceramsoc.2007.02.095 **Published:** 2007

Times Cited in Web of Science Core Collection: 48

Total Times Cited: 50

Record 37 of 46

Title: Relaxor properties of Ba(Zr,Ti)O-3 ceramics

Author(s): Ciomaga, CE (Ciomaga, CE); Calderone, R (Calderone, R); Buscaglia, MT (Buscaglia, MT); Viviani, M (Viviani, M); Buscaglia, V (Buscaglia, V); Mitoseriu, L (Mitoseriu, L); Stancu, A (Stancu, A); Nanni, P (Nanni, P)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 8 **Issue:** 3 **Pages:** 944-948 **Published:** JUN 2006

Times Cited in Web of Science Core Collection: 20

Total Times Cited: 20

Record 38 of 46

Title: Composition-dependent ferroelectric properties of Ba_{1-x}Sr_xTiO₃ ceramics

Author(s): Ianculescu, A (Ianculescu, A.); Mitoseriu, L (Mitoseriu, L.); Berger, D (Berger, D.); Ciomaga, CE (Ciomaga, C. E.); Piazza, D (Piazza, D.); Galassi, C (Galassi, C.)

Source: PHASE TRANSITIONS **Volume:** 79 **Issue:** 6-7 **Pages:** 375-388 **DOI:** 10.1080/01411590600892062 **Published:** JUN-JUL 2006

Times Cited in Web of Science Core Collection: 11

Total Times Cited: 11

Record 39 of 46

Title: Preparation and dielectric properties of BaZr_{0.1}Ti_{0.9}O₃ ceramics with different grain sizes

Author(s): Ciomaga, CE (Ciomaga, C. E.); Buscaglia, MT (Buscaglia, M. T.); Viviani, M (Viviani, M.); Buscaglia, V (Buscaglia, V.); Mitoseriu, L (Mitoseriu, L.); Stancu, A (Stancu, A.); Nanni, P (Nanni, P.)

Source: PHASE TRANSITIONS **Volume:** 79 **Issue:** 6-7 **Pages:** 389-397 **DOI:** 10.1080/01411590600892120 **Published:** JUN-JUL 2006

Times Cited in Web of Science Core Collection: 11

Total Times Cited: 11

Record 40 of 46

Title: First order reversal curves and hysteresis loops of ferroelectric films described by phenomenological models

Author(s): Fecioru-Morariu, M (Fecioru-Morariu, M); Ricinski, D (Ricinski, D); Postolache, P (Postolache, P); Ciomaga, CE (Ciomaga, CE); Stancu, A (Stancu, A); Mitoseriu, L (Mitoseriu, L)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 6 **Issue:** 3 **Pages:** 1059-1063 **Published:** SEP 2004

Times Cited in Web of Science Core Collection: 4

Total Times Cited: 4

Record 41 of 46

Title: Evolution of the nanopolar order in $(1-x)\text{PbFe}_{2/3}\text{W}_{1/3}\text{O}_3$ - $x\text{PbTiO}_3$ relaxor investigated by Raman and dielectric study

Author(s): Mitoseriu, L (Mitoseriu, L); Ciomaga, CE (Ciomaga, CE); Stancu, A (Stancu, A)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 6 **Issue:** 3 **Pages:** 1085-1088 **Published:** SEP 2004

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Record 42 of 46

Title: Magnetoelectric coupling in the multiferroic $\text{PbFe}_{2/3}\text{W}_{1/3}\text{O}_3$ - PbTiO_3 system

Author(s): Mitoseriu, L (Mitoseriu, L); Marre, D (Marre, D); Siri, AS (Siri, AS); Stancu, A (Stancu, A); Fedor, CE (Fedor, CE); Nanni, P (Nanni, P)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 6 **Issue:** 2 **Pages:** 723-728 **Published:** JUN 2004

Times Cited in Web of Science Core Collection: 5

Total Times Cited: 6

Record 43 of 46

Title: Ferroelectric-semiconductive properties of BaTiO_3 -based PTCR ceramics

Author(s): Mitoseriu, L (Mitoseriu, L); Fedor, CE (Fedor, CE); Viviani, M (Viviani, M); Buscaglia, MT (Buscaglia, MT); Buscaglia, V (Buscaglia, V); Testino, A (Testino, A); Nanni, P (Nanni, P)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 5 **Issue:** 3 **Pages:** 763-768 **Published:** SEP 2003

Times Cited in Web of Science Core Collection: 3

Total Times Cited: 3

Record 44 of 46

Title: Analysis of the dielectric constant data of relaxors within a Landau-type theory

Author(s): Mitoseriu, L (Mitoseriu, L); Stancu, A (Stancu, A); Fedor, CE (Fedor, CE)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 5 **Issue:** 3 **Pages:** 787-790 **Published:** SEP 2003

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Record 45 of 46

Title: Analysis of the composition-induced transition from relaxor to ferroelectric state in $\text{PbFe}_{2/3}\text{W}_{1/3}\text{O}_3$ - PbTiO_3 solid solutions

Author(s): Mitoseriu, L (Mitoseriu, L); Stancu, A (Stancu, A); Fedor, C (Fedor, C); Vilarinho, PM (Vilarinho, PM)

Source: JOURNAL OF APPLIED PHYSICS **Volume:** 94 **Issue:** 3 **Pages:** 1918-1925 **DOI:** 10.1063/1.1586470 **Published:** AUG 1 2003

Times Cited in Web of Science Core Collection: 51

Total Times Cited: 51

Record 46 of 46

Title: Simulation of positive temperature coefficient of resistivity (PTCR) behaviour in n-doped BaTiO₃ ceramics

Author(s): Mitoseriu, L (Mitoseriu, L); Viviani, M (Viviani, M); Ricinschi, D (Ricinschi, D); Fedor, C (Fedor, C); Nanni, P (Nanni, P)

Source: JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS SHORT NOTES & REVIEW PAPERS **Volume:** 41 **Issue:** 11B **Pages:** 7189-7194 **DOI:** 10.1143/JJAP.41.7189 **Published:** NOV 2002

Times Cited in Web of Science Core Collection: 4

Total Times Cited: 4

Total scor individual ISI: 12.22, Hirsh-factor h=15, peste 390 citări (fără auto-citări).

II. Teză de doctorat

1. **Titlul:** *Contributions to the study of ferroelectric relaxors / Contribuții la studiul relaxorilor feroelectrice*, drd. Fedor (căsăt. CIOMAGA) Cristina Elena, Universitatea Al. I. Cuza din Iași, România (Ordinul ministrului Educației și cercetării nr. 632 din 21.03.2007) distincția Summa Cum Laude.

III. Brevete

1. L. Mitoseriu, V. Pascariu, C.E. Ciomaga „*Compozițe feroelectric-rasină epoxidică cu gradient compozițional pentru adaptare de impedanță în domeniul 2 - 4 GHz*”, Nr. OSIM RO130397-A2 2015.
2. C.S. Olariu, I. V. Ciuchi, L. Mitoseriu, C.E. Ciomaga „*Metodă tehnică de determinare a factorului de umplere volumică a fazei minerale din biocompozițele osoase*”, Nr. OSIM RO130397-A2 2015.
3. C.E. Ciomaga, M. Airimioei, L. Mitoseriu, N. Lupu “*Compozit magnetoelectric ceramic obținut prin procedeul de preparare in situ, cu proprietăți feromagnetice, magnetostriptive și permitivități de ordinul sutelor*”, trimis spre publicare 2017.

IV. Cărți și capitole de cărți

1. C.E. Ciomaga, L. Mitoseriu, Chapter 21 “*Ferroelectric Perovskite-Spinel Ferrite Ceramics*”, book “Magnetic, Ferroelectric, and Multiferroic Metal Oxides” (ISBN 978-0-12-811180-2), publishing by Elsevier, edited by Professor Biljana Stojanovic.

V. Articole publicate in extenso în jurnale internaționale fără factor ISI

- [1] Author(s): C. E. Ciomaga, C. S. Olariu, Z. V. Mocanu, I. Mocanu
Title: A study of science popularization through school journals and photography exhibitions
Source: CommScie International Journal of Science Communication, Vol. 1, Nr 1, 3-12, ISSN– L 2359 - 781X (2013)
- [2] Author(s): C. E. Ciomaga, C. S. Olariu, L. Padurariu, S. Tascu, R. Frunza, C. Galassi and L. Mitoseriu
Title: Applicability of Finite-Element Modeling Method and Effective Medium Approximation to ferroelectric-ferrite ceramic composites in microwave range
Source: Journal of Microelectronics, Devices and Materials with the workshop on CERAMIC MICROSYSTEMS, ISBN 978-961-92933-2-4, pp. 157-162, Sept 2012.
- [3] Author(s): I. V. Ciuchi, L. P. Curecheriu, C. E. Ciomaga, A. V. Sandu and L. Mitoseriu
Title: Impedance Spectroscopy characterization of bone tissues
Source: Journal of Advanced Research in Physics 1(1), 011007 (2010)
- [4] Author(s): L. Stoleriu, C. Ciomaga, F. Fochi, P. Ochoa, J.F. Fernandez, C. Galasi, V. Buscaglia, P. Nanni, L. Mitoseriu
Title: Mechanically clamped PZT ceramics investigated by First-order reversal curves diagram
Source: Processing and Application of Ceramics 4 [3], 209-214 (2010)
- [5] Author(s): C. Ciomaga, M.T. Buscaglia, M. Viviani, V. Buscaglia, L. Mitoseriu, P. Nanni and C. Galassi
Title: Composition and grain size-driven ferroelectric-relaxor crossover in Ba(Zr,Ti)O₃ ceramics
Source: Processing & Appl. of Ceramics 3, 1-2, (2009)
- [6] Author(s): A. Ianculescu, D. Berger, L. Mitoseriu, C.E. Ciomaga, G. Voicu, N. Drăgan, D. Crișan and E. Vasile
Title: Dielectric and ferroelectric properties of Ba_{1-x}Sr_xTiO₃ ceramics prepared by the modified-Pechini method
Source: Proceedings of the 10th International Conference of the European Ceramic Society, p. 565-570, ISBN: 3-87264-022-4, 2007, Berlin
- [7] Author(s): D. Ricinschi, M. Fecioru Morariu, C. Ciomaga, P. Postolache, A. Stancu, L. Mitoseriu
Title: First order reversal curves and hysteresis loops of ferroelectric films described by phenomenological models
Source: Proceedings of the 4th International Scientific Workshop “Materials for Electrical Engineering” (MmdE), p. 304-307, 26-28 May 2004, Bucharest, Romania
- [8] Author(s): L. Mitoseriu, C. Ciomaga and A. Stancu
Title: Evolution of the nanopolar order in (1-x)PbFe_{2/3}W_{1/3}O₃-xPbTiO₃ relaxor investigated by Raman and dielectric study
Source: Proceedings of the 4th International Workshop “Materials for Electrical Engineering” (MmdE), p. 128-129, Bucharest, Romania, 26-28 May 2004
- [9] Author(s): L. Mitoseriu, D. Ricinschi, A. Stancu, P. Postolache, C. E. Ciomaga
Title: Analysis of the switching characteristics in ferroelectrics by First Order Reversal Curve Diagrams
Source: Proceedings of CIEC 9 Bardonecchia, Italy, Sept. 5-7, Eds. A. Negro and L. Montanaro, pp. 87-92, 2004

VI. Articole publicate în volumul conferințelor

- [1] Author(s): Z. V. Mocanu, C. S. Olariu, C. E. Ciomaga, I. Mocanu
 Title: Science Communication thru Science Learning Circle
 Source: Revista Științifică Adamachi, Serie nouă, nr. 1-4, pp 8-11, 2011.
- [2] Author(s): Z. V. Mocanu, C. S. Olariu, C. E. Ciomaga, I. Mocanu
 Title: Science Communication in Undergraduate Education by Optional Courses
 Source: Revista Științifică Adamachi, Serie nouă, nr. 1-4, pp 8-11, 2011.
- [3] Author(s): M. Airimioaci, A.R. Iordan, M.N. Palamaru, C. Ciomaga, A. Sandu, L. Mitoseriu
 Title: Préparation et caractérisation des ferrites de Ni et Mn obtenues par réaction de combustion
 Source: Premier colloque francophone sur les matériaux, les procédés et l'environnement, Volume des papiers, Editura Printech, 2009, ISBN 978-606-521-328-9, pag. 69.
- [4] Author(s): F. Prihor, C.E. Ciomaga, L.P. Curecheriu, L.Mitoseriu
 Title: Study of the BiFeO₃-based muktiferroic ceramics with magnetoelectric coupling
 Source: Revista Științifică Adamachi, Serie nouă, vol.XVI, nr. 1, pp. 116-118, 2007
- [5] Author(s): A. Guzu, C.E. Ciomaga, L.P. Curecheriu, L. Mitoseriu
 Title: Relaxarea dielectrica.Studiul dependentei de frecventa a permitivitatii complexe in sistemele feroelectrice
 Source: Revista Științifică Adamachi, Serie nouă, vol.XVI, nr. 1, pp. 112-115, 2007
- [6] Author(s): R.C.Frunza,C.E. Ciomaga, L.P. Curecheriu, L.Mitoseriu,
 Title: Investigation of the response of a LCR circuit containing ferroelectric capacitor
 Source: Revista Științifică Adamachi, Serie nouă, vol.XVI, nr. 1, pp. 82-84, 2007
- [7] Author(s): C. Fedor Ciomaga and L. Mitoseriu
 Title: PTCR effect in n-doped BaTiO₃ ceramics
 Source: Revista Științifică "V. Adamache", Vol. XI, No. 1, pp. 140-142, Iași, 2003
- [8] Author(s): C. Fedor Ciomaga, L. Mitoseriu and Al. Stancu
 Title: Analysis of the transition relaxor-to-ferroelectric in PbFe_{2/3}W_{1/3}O₃ -PbTiO₃ solid solutions
 Source: Revista Științifică "V. Adamache", Vol. XI, No. 1, pp. 142-146, Iași, 2003.