



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **LILIANA MITOSERIU**
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Nationality **Romanian**
Date of birth **06.04.1961, Falticeni, jud Suceava**
Gender **Female**

Present employment / position **University Full Professor at "Alexandru Ioan Cuza" University of Iasi, Romania**

Work experience

Dates **1.09.2004 – present**
Occupation or position held **University Full Professor**
Name and address of employer **"ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI, ROMANIA, FACULTY OF PHYSICS**
Type of business or sector **Teaching and research activity**

Dates **1.04.2005 – 30.12.2006**
Occupation or position held **Visiting Professor**
Name and address of employer **UNIVERSITY OF GENOVA, ITALY**
Type of business or sector **Teaching and research activity**

Dates **01.09.1999 - 01.07.2000 and 01.01.2001 - 01.09.2004**
Occupation or position held **Associate Professor**
Name and address of employer **"ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI, ROMANIA, FACULTY OF PHYSICS**
Type of business or sector **Teaching and research activity**

Dates **01.01.2001-30.12.2001**
Occupation or position held **Post-doc Researcher**
Name and address of employer **UNIVERSITY OF AVEIRO, PORTUGAL**
Type of business or sector **Research activity**

Dates **01.07.2000 - 01.12.2000**
Occupation or position held **Post-doc Researcher**

Name and address of employer **Institute of Chemistry and Physics Applied to Materials ICPAM-CNR (now Inst. of Energetics & Interphases) Genoa, Italy**

Type of business or sector **Research activity**

Dates **01.09.1990 - 01.09.1999**

Occupation or position held **Assistant, Lecturer**

Name and address of employer **“ALEXANDRU IOAN CUZA” UNIVERSITY OF IASI, ROMANIA, FACULTY OF PHYSICS**

Type of business or sector **Teaching and research activity**

Dates **01.09.1987-01.09.1990**

Occupation or position held **Researcher**

Name and address of employer **“ALEXANDRU IOAN CUZA” UNIVERSITY OF IASI, ROMANIA, FACULTY OF PHYSICS**

Type of business or sector **Research activity**

Dates **01.09.1984-01.09.1987**

Occupation or position held **High school Physics Teacher**

Name and address of employer **Industrial High School Tg. Frumos, Iasi, Romania**

Type of business or sector **Undergraduate teaching activity**

Education and training

Dates **2005**

Title of qualification awarded **PhD in Chemistry for Engineering, degree “Excellent”; Thesis title: *Investigation of the role of chemical inhomogeneity and grain size effects towards the relaxor behaviour in perovskite systems***

Principal subjects/occupational skills covered **Nanostructured ferroelectric ceramics, grain size effects**

Name and type of organisation providing education and training **University of Genoa, Italy**

Dates **1997**

Title of qualification awarded **PhD in Physics; Thesis title: *Study of polarization processes in nonlinear dielectrics with discrete structure***

Principal subjects/occupational skills covered **Polarisation mechanisms in particulated ferroelectrics, switching properties: experiment and modeling**

Name and type of organisation providing education and training **“Alexandru Ioan Cuza” University of Iasi, Romania**

Dates **1987**

Title of qualification awarded **Graduated in Physics (Diploma with honours Series A nr. 74 (score: 10(ten)/10 and B.Sc. final exam with score 10(ten)/10, first ranking in the country in 1984)**

Principal subjects/occupational skills covered **Physics**

Name and type of organisation providing education and training **“Alexandru Ioan Cuza” University of Iasi, Romania**

Personal skills and competences **Solid state Physics and Chemistry: dielectrics, ferroelectrics and multiferroic oxides**

Mother tongue(s) **Romanian**

Foreign languages (1) English, (2) Italian, (3) French

Self-assessment <i>European level (*)</i>	Understanding		Speaking				Writing	
	Listening	Reading	Spoken interaction		Spoken production			
(1) C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
(2) C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	B2 Independent user	B2 Independent user
(3) B2 Independent user	B2 Independent user	B2 Independent user	A2 Basic user	A2 Basic user	A2 Basic user	A2 Basic user	A2 Basic user	A2 Basic user

(*) [Common European Framework of Reference for Languages](#)

The grid consists of three broad levels as follows:

- Basic user (levels A1 and A2);
- Independent user (levels B1 and B2);
- Proficient user (levels C1 and C2).

Professional skills and competences **Physics and Chemistry of nanostructured dielectric, ferroelectric and multiferroic oxides**

Organisational skills and competences Director of national grants, Chair of European FP7-ESF-COST Action MP0904, Romanian representative in the Management Committee of COST Actions 525, 539, IC 1208 and MP1308, Leader of the Dielectrics, Ferroelectrics & Multiferroics group at the Faculty of Physics; Director of the Research department - Faculty of Physics (2012-2015); Chair of Electroceramics XIV, Bucharest 2014; Member of International Advisory committee of Electroceramics conferences from 2004 till now, Chair of International Congress of Ceramics ICC2 Verona (2008), Co-Chair of symposium Electric and Magnetic ceramics at International Congress of Ceramics ICC7, Foz do Iguaçu (2018); Co-chair of TOPIC 6. Ceramics for electro-magnetic and optical applications at 14th International European Ceramic Society ECERS Conference Toledo, Spain (2015); Member of the International Scientific Committee of The Tenth Students Meeting SM-2013, Novi Sad, Serbia, of The Eleventh Conference for Young Scientists in Ceramics (2014), Novi Sad, Serbia and Chair of various Workshops, Training schools in Romania and abroad under various EU or international projects.

Teaching activities **Courses, seminars and laboratories of: Electricity and electrotechnics; Electricity and Magnetism; Electrodynamics; Electricity and magnetism for medical applications; Physics of metals and alloys; Polarizable media; Physics of dielectrics; Properties of non-linear dielectrics; Ferroelectrics with discrete structure; Physics and technology of polarized media; Dielectrics; Physics of ferroelectrics and multiferroics, Physics and technology of nanocomposite materials.**

Scientific research activity **Ferroelectrics and Multiferroics, Advanced materials: experimental and modeling:**
 (a) co-author of 204 ISI papers (Annex I), Individual ISI factor=**65,44**, 8 Romanian OSIM patents – Annex VI, 10 books (4 international – editor and co-author of book chapters) - Annex II
 b) ISI citations (excluding self-citations): 4200 (WoS), 5023 (Scopus), >6000 Google Academic; Hirsch factor: h =36 (WoS), 38 (Scopus), 41 (Google Academic)
 c) participation to scientific grants: 28 (22 as director or UAIC coordinator) – Annex IV
 d) 37 invited talks to international conferences, workshops and as visiting professor lectures - Annex III.

Additional information

- **Member of the scientific board of the Journal "Processing and Application of Ceramics", starting with 2007.**
- **International agreements and active research collaboration** with: IENI-CNR Genoa, Univ. Genoa, LAMIA-INFM Genoa, ISTEC-CNR Faenza (Italy), Univ. Osaka (Japan), Univ. Quebec (Canada), Univ. Aveiro (Portugal), Inst. of Physics (Czech Republic), J. Stefan Inst. (Slovenia), Univ. Pierre & Marie Curie, Paris and Univ. d'Artois, Lens (France); ERASMUS and COST Agreements and active students exchange (more than 15 students sent in EU labs for training/research stages) – Annex V;
- **Invitation for lectures & seminars:** Univ. of Genoa, Univ. Aveiro, IENI-CNR Genoa, ISTEC-CNR Faenza, Italy, Inst. of Physics, Czech Academy of Prague, UNESP-Inst. de Química, Araraquara, Sao Paulo, Brasil; Univ. Pierre & Marie Curie, Paris, Univ. d'Artois, Lens (France) (level: Master, Doctoral school, post-docs).

Annex I. List of publications in ISI journals

2020

1. Room temperature phase superposition as origin of enhanced functional properties in BaTiO₃ - based ceramics, Horchidan, Nadejda; Padurariu, Leontin; Ciomaga, Cristina E.; Curecheriu, Lavinia; Airimioaei, Mirela; Doroftei, Florica; Tufescu, Florin; Mitoseriu, Liliana, *Journal of The European Ceramic Society*, Volume 40, Issue 4, Pages 1258-1268, (2020) ISI=4.029
2. Nonlinear dielectric properties of BaTiO₃ - Silver composites: The role of microstructure, Lukacs, Vlad Alexandru; Turcan, Ina; Padurariu, Leontin; Curecheriu, Lavinia; Cernescu, Adrian; Stoian, George; Ciomaga, Cristina Elena; Tufescu, Florin; Lupu, Nicoleta; Mitoseriu, Liliana, *Journal of Alloys And Compounds*, Volume 817, Article number 153336, (2020) ISI=4.175
3. Biomorphic tubular nickel oxide structures: Effect of the synthesis parameters on their structural and functional properties, surface-related applications, Airimioaei, Mirela; Lukacs, Vlad A.; Lisiecki, Isabelle; Beauquier, Patricia; Blanchard, Juliette; Lutić, Doina; Tascu, Sorin; Postolache, Petronel; Ciomaga, Cristina E.; Olariu, Marius; Mitoseriu, Liliana, *Journal of Alloys And Compounds*, Volume 816, Article number 152543, (2020) ISI=4.175
4. PVDF-ferrite composites with dual magneto-piezoelectric response for flexible electronics applications: synthesis and functional properties, Gheorghiu, Felicia; Stanculescu, Roxana; Curecheriu, Lavinia; Brunengo, Elisabetta; Stagnaro, Paola; Tiron, Vasile; Postolache, Petronel; Buscaglia, Maria Teresa; Mitoseriu, Liliana, *Journal of Materials Science*, Volume 55, Issue 9, Pages 3926-3939, (2020) ISI=3.442
5. Structural and functional properties of BaTiO₃ porous ceramics produced by using pollen as sacrificial template, Lukacs, Vlad Alexandru; Stanculescu, Roxana; Curecheriu, Lavinia; Ciomaga, Cristina Elena; Horchidan, Nadejda; Cioclea, Cipriana; Mitoseriu, Liliana, *Ceramics International*, Volume 46, Issue 1, Pages 523-530, (2020) ISI=3.45

2019

6. Comparative study of magnetoelectric BaTiO₃-Co_{0.8}Zn_{0.2}Fe₂O₄ bi-tunable ceramics sintered by Spark Plasma Sintering and classical method, Ciomaga, CE, Guzu, A, Airimioaei, M, Curecheriu, LP, Lukacs, VA, Avadanei, OG, Stoian, G, Grigoras, M, Lupu, N, Asandulesa, M, Mitoseriu, L, *Ceramics International*, Volume 45, Issue 18, Pages 24168 - 24175, (2019) ISI=3.45
7. Distributions of relaxation times in relaxor ferroelectric Ba(Ti_{0.8}Ce_{0.2})O₃, Adamchuk, D.; Grigalaitis, R.; Svirskas, S.; Macutkevicius, J.; Palaimiene, E.; Banys, J.; Mitoseriu, L.; Canu, G.; Buscaglia, M. T.; Buscaglia, V., *Ferroelectrics*, Volume 553, Issue 1, Pages 103-110, (2019) ISI=0.697
8. Structural changes of cerium doped copper ferrites during sintering process and magneto-electrical properties assessment, Roman, Tiberiu; Pui, Aurel; Lukacs, Alexandru, V; Cimpoesu, Nicanor; Lupescu, Stefan; Borhan, Adrian Iulian; Kordatos, Konstantinos; Ntziouni, Afroditi; Postolache, Petronel; Zaharia, Marius; Stanciu, Sergiu; Mitoseriu, Liliana, *Ceramics International*, Volume 45, Issue 14, Pages 17243- 17251, (2019) ISI=3.45
9. Functional properties of randomly mixed and layered BaTiO₃-CoFe₂O₄ ceramic composites close to the percolation limit, Guzu, Alexandra; Ciomaga, Cristina E.; Airimioaei, Mirela; Padurariu, Leontin; Curecheriu, Lavinia P.; Dumitru, Ioan; Gheorghiu, Felicia; Stoian, George; Grigoras, Marian; Lupu, Nicoleta; Asandulesa, Mihai; Mitoseriu, Liliana, *Journal of Alloys And Compounds*, Volume 796, Pages 55-64, (2019) ISI=4.175
10. Ferroelectric order driven Eu³⁺ photoluminescence in BaZr_xTi_{1-x}O₃ perovskite, Canu, Giovanna; Bottaro, Gregorio; Buscaglia, Maria Teresa; Costa, Chiara; Condurache, Oana; Curecheriu, Lavinia; Mitoseriu, Liliana; Buscaglia, Vincenzo; Armelao, Lidia, *Scientific Reports*, Volume 9, Article number 6441, (2019) ISI=4.011
11. Functional properties of percolative CoFe₂O₄-PbTiO₃ composite, C.E. Ciomaga, M. Airimioaei, I. Turcan, A.V. Lukacs, S. Tascu, M. Grigoras, N. Lupu, J. Banys, Liliana Mitoseriu, *J. Alloys & Compounds*, Volume 775, Pages 90-99 (2019), ISI=4.175

2018

12. Preparation and functional characterization of magnetoelectric Ba(Ti_{1-x}Fe_x)O_{3-x/2} ceramics. Application for a miniaturized resonator antenna, F. Gheorghiu, C.E. Ciomaga, M. Simenas, M. Airimioaei, S. Qiao, S. Tascu, V. Kalendra, J. Banys, O.G. Avadanei, Liliana Mitoseriu, *Ceramics International* Volume 44, Issue 17, Pages 20862-20870 (2018), ISI=3.45
13. Microstructure and dielectric properties of Ag-BaTiO₃ composite ceramics, I. Turcan, V.A. Lukacs, L. Curecheriu, L. Padurariu, C.E. Ciomaga, M. Airimioaei, G. Stoian, N. Lupu, Liliana Mitoseriu, *J. European Ceramic Society*, Volume 38, Issue 16, Pages 5420-5429 (2018), ISI=4.029
14. Magnetic properties of multilayer BaTiO₃/NiFe₂O₄ thin films prepared by solution deposition technique, B. Bajac, M. Milanovic, Z. Cvejic, A. Ianculescu, P. Postolache, Liliana Mitoseriu, V.V. Srdic, *Ceramics International*, Volume 44, Issue 13, Pages 15965-15971 (2018), ISI=3.45
15. Structure-property correlations and origin of relaxor behaviour in BaCexTi_(1-x)O₃, G. Canu, G. Confalonieri, M. Deluca, L. Curecheriu, M.T. Buscaglia, M. Asandulesa, N. Horchidan, M. Dapiaggi, Liliana Mitoseriu, V. Buscaglia, *Acta Materialia*, Volume 152, Pages 258-268 (2018), ISI=7.293
16. Multiferroic and magnetoelectric properties of Pb_{0.99}[Zr_{0.45}Ti_{0.47}(Ni_{1/3}Sb_{2/3})(0.08)] O₃-CoFe₂O₄ multilayer composites fabricated by tape casting, G. Schileo, C. Pascual-Gonzalez, M. Alguero, I.M. Reaney, P. Postolache, Liliana Mitoseriu, K. Reichmann, M. Venet, A. Feteira, *J. European Ceramic Society* Volume 38, Issue 4, Pages 1473-1478 (2018), ISI=4.029
17. Field induced metastable ferroelectric phase in Pb_{0.97}La_{0.03}(Zr_{0.90}Ti_{0.10})(Zr_{0.90}Ti_{0.10})(0.9925)O₃ ceramics, I.V. Ciuchi, C.C. Chung, C.M. Fancher, C. Capiani, J.L. Jones, Liliana Mitoseriu, C. Galassi, *J. European Ceramic Society*, Volume 38, Issue 4, Pages 1479-1487 (2018), ISI=4.029

2017

18. Field-induced antiferroelectric to ferroelectric transitions in (Pb_{1-x}La_x)(Zr_{0.90}Ti_{0.10})_(1-x/4)O₃ investigated by in situ X-ray diffraction, I.V. Ciuchi, C.C. Chung, C.M. Fancher, J. Guerrier, J.S. Forrester, J.L. Jones, Liliana Mitoseriu, C. Galassi, *J. European Ceramic Society*, Volume 37, Issue 15, Pages 4631-4636 (2017), ISI=3.794
19. Modeling of cross-talk phenomena in thin film ferroelectric nanocapacitor arrays by finite element method combined with Monte Carlo calculations, L. Padurariu and Liliana Mitoseriu, *J. Applied Physics*, Volume 122, Issue 14, No. 144106 (2017) ISI=2.176
20. SrTiO₃-BaTiO₃ nanocomposites with temperature independent permittivity and linear tunability fabricated using field-assisted sintering from chemically synthesized powders, M. Airimioaei, M.T. Buscaglia, I. Tredici, U. Anselmi-Tamburini, C.E. Ciomaga, L. Curecheriu, A. Bencan, V. Buscaglia, Liliana Mitoseriu, *J. Materials Chemistry C*, Volume 5, Issue 35, Pages 9028-9036 (2017) ISI=5.976
21. Preparation and structural characterization of Fe-doped BaTiO₃ diluted magnetic ceramics, F. Gheorghiu, M. Simenas, C.E. Ciomaga, M. Airimioaei, V. Kalendra, J. Banys, M. Dobromir, S. Tascu, Liliana Mitoseriu, *Ceramics International*, Volume 43, Issue 13, Pages 9998-10005 (2017), ISI=3.057

22. Frequency mixing application based on BaTiO₃ ceramic: Design and functional characterization, M.V. Pop, N. Horchidan, A.C. Ianculescu, Liliana Mitoseriu, International Journal of Applied Ceramic Technology, Volume 14, Issue 4, Pages 593-603 (2017), ISI=1.165
23. Dielectric and phonon spectroscopy of Nb-doped Pb(Zr_{1-y}Ti_y)O₃-CoFe₂O₄ composites, A. Sakanas, D. Nuzhnyy, R. Grigalaitis, J. Banys, F. Borodavka, S. Kamba, C.E. Ciomaga, Liliana Mitoseriu, J. Applied Physics, Volume 121, Issue 21, No. 214101 (2017), ISI=2.176
24. Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, C. Padurariu, L. Padurariu, L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, Liliana Mitoseriu, Ceramics International Volume 43, Issue 7, Pages 5767–5773 (2017), ISI=3.057
25. Tailoring the functional properties of PLZT-BaTiO₃ composite ceramics by core-shell approach, L.P. Curecheriu, M.T. Buscaglia, F. Maglia, C. Padurariu, G. Ciobanu, U. Anselmi-Tamburini, V. Buscaglia, Liliana Mitoseriu, J. Applied Physics, Volume 121, Issue 14, No. 144101 (2017), ISI=2.176
26. Porosity dependent properties of Nb-doped Pb(Zr,Ti)O₃ ceramics, F. Gheorghiu, L. Padurariu, M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi and Liliana Mitoseriu, J. American. Ceramics Society, Vol. 100, Issue 2, Pages 647-658 (2017), ISI: 2.956
27. Porous (Ba,Sr)TiO₃ ceramics for tailoring dielectric and tunability properties: Modelling and experiment, Processing and Applications of Ceramics, Volume 11, Issue 4, Pages 235-246 (2017), ISI=1.152
28. Towards novel functional properties by interface reaction in mixtures of BaTiO₃-Fe₂O₃ composite ceramics, O. Condurache, I. Turcan, L. Curecheriu, C. Ciomaga, P. Postolache, G. Ciobanu, Liliana Mitoseriu, Ceramics International Volume 43, Issue 1, Part B, Pages 1098-1105 (2017), ISI=3.057
29. PZT-cobalt ferrite particulate composites: densification and lead losses control by quite-fast sintering, P. Galizia, C.E Ciomaga, Liliana Mitoseriu, C. Galassi, Journal of the European Ceramic Society Volume 37, Issue 1, Pages 161–168 (2017), ISI: 3.794

2016

30. Effect of particle size and volume fraction of BaTiO₃ powders on the functional properties of BaTiO₃/poly(ϵ -caprolactone) composites, M. Airimioaei, R. Stanculescu, V. Preutu, C. Ciomaga, N. Horchidan, S. Tascu, D. Lufic, A. Pui, Liliana Mitoseriu, Materials Chemistry and Physics 182, 246-255 (2016), ISI: 2.084
31. Diffuse phase transition and high electric field properties of BaCeyTi_{1-y}O₃ relaxor ferroelectric ceramics, L.P. Curecheriu, C. Ciomaga, V. Musteata, G. Canu, V. Buscaglia, Liliana Mitoseriu, Ceramics International, Volume 42, Pages 11085-11092 (2016), ISI: 2.758
32. A comparative study of hard/soft PZT-based ceramic composites, N. Horchidan, C.E.Ciomaga, R.C.Frunza, C.Capiani, C.Galassi, Liliana Mitoseriu, Ceramics International, 429 Pages 125–9132 (2016), ISI: 2.758
33. Engineering magnetoelectric composites towards application as tunable microwave filter, C. E. Ciomaga, O. G. Avadanei, I. Dumitru, M. Airimioaei, S. Tascu, F. Tufescu, and Liliana Mitoseriu, J. Phys. D: Appl. Phys. Volume 49, Pages 125002 (2016), ISI: 2.588
34. The influence of post-sintering re-oxidation treatment on dielectric response of dense and porous Ba_{0.70}Sr_{0.30}TiO₃ ceramics, R. E. Stanculescu, C. E. Ciomaga, N. Horchidan, C. Galassi, F. M. Tufescu, Liliana Mitoseriu, Ceramics International, Volume 42, Pages 527–536 (2016), ISI: 2. 2.758.
35. Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, Leontin Padurariu, Lavinia Curecheriu, Liliana Mitoseriu, Acta Materialia, Volume 103, Pages 724-734 (2016), ISI: 5.301
36. Yttrium Iron Garnet/Barium Titanate Multiferroic Composites, Giorgio Schileo, Cristina Pascual-Gonzalez, Miguel Alguero, Ian M. Reaney, Petronel Postolache, Liliana Mitoseriu, Klaus Reichmann, and Antonio Feteira, J. American Ceramic Society, Volume 99, Issue 5, Pages 1609–1614 (2016), ISI: 2.841
37. Comment on “The Impact of Composite Effect on Dielectric Constant and Tunability in Ferroelectric-Dielectric System”, L. Padurariu and Liliana Mitoseriu, J. American Ceramic Society, Volume 99, Issue 11, Pages 3816–3817 (2016), ISI: 2.841
38. Antiferroelectric to Ferroelectric Crossover and Energy Storage Properties of (Pb_{1-x}Lax)(Zr_{0.90}Ti_{0.10})_{1-x/4}O₃ (0.02 ≤ x ≤ 0.04) Ceramics, Ioana Veronica Ciuchi, Liliana Mitoseriu, and Camen Galassi, J. American Ceramic Society, Volume 99, Issue 7, Pages 2382-2387 (2016), ISI: 2.841

2015

39. Functional properties of Sm₂NiMnO₆ multiferroic ceramics prepared by spark plasma sintering, Gheorghiu, Felicia; Curecheriu, Lavinia; Lisiecki, Isabelle;Beaunier, Patricia; Feraru, Simona; Palamaru, Mircea N.; Musteata, Valentina; Lupu, Nicoleta; Mitoseriu, Liliana, Journal of Alloys And Compounds Volume 649 Pages 151- Published 2015 Times Cited: 0, ISI: 3.014
40. The effect of annealing on microstructure and cation distribution of NiFe₂O₄, Cvejic, Z.; Durdic, E.; Ivandekic, G. Mkvic; Bajac, B.; Postolache P.; Mitoseriu L.; Srdic, V. V.; Rakic, S., JOURNAL OF ALLOYS AND COMPOUNDS Volume 649 Pages 1231- Published 2015 Times Cited: 0, ISI: 3.014
41. Microstructural influence on the broadband dielectric properties of BaTiO₃-Ni_{0.5}Zn_{0.5}Fe₂O₄ core-shell composites: Experiment and modeling, Sakanas, A.; Grigalaitis, R.; Banys, J.; Curecheriu, L.; Mitoseriu L.; Buscaglia V., JOURNAL OF APPLIED PHYSICS Volume 118 Pages 174106, Published 2015 Times Cited: 0, ISI: 2.101
42. Preparation and properties of La doped PZT 90/10 ceramics across the ferroelectric-antiferroelectric phase boundary, Ciuchi, I. V.; Craciun, F.; Mitoseriu, L.; Galassi, C., JOURNAL OF ALLOYS AND COMPOUNDS Volume 646 Pages 16 - Published 2015 Times Cited: 0, ISI: 3.014
43. Study of the role of porosity on the functional properties of (Ba,Sr)TiO₃ ceramics, Stanculescu, Roxana; Ciomaga, Cristina E.; Padurariu, Leontin; Galizia, Pietro; Horchidan, Nadejda; Capiani, Claudio; Galassi, Carmen; Mitoseriu, Liliana, JOURNAL OF ALLOYS AND COMPOUNDS Volume 643 Pages 79 - Published 2015 Times Cited: 0, ISI: 3.014
44. Formation mechanism and characteristics of lanthanum-doped BaTiO₃ powders and ceramics prepared by the sol-gel process, Ianculescu, Adelina Carmen; Vasilescu, Catalina Andreea; Crisan, Maria;Raileanu, Malina; Vasile, Bogdan Stefan; Calugaru, Mihai; Crisan, Dorel; Dragan, Nicolae; Curecheriu, Lavinia; Mitoseriu, Liliana, MATERIALS CHARACTERIZATION COMPOUNDS Volume Pages - Published 2015 Times Cited: 0, ISI:
45. Improvement of impedance spectroscopy methods: resonance analysis of samples, Balmus, Sorin-Bogdan; Ciomaga, Cristina E.; Horchidan, Nadejda; Mitoseriu, Liliana; Dumitru, Ioan, MEASUREMENT SCIENCE & TECHNOLOGY Volume 26 Pages 65601 - Published 2015 Times Cited: 0, ISI:
46. Refining the phase diagram of Pb_{1-x}Lax(Zr_{0.9}Ti_{0.1})(1-x/4)O₃ ceramics by structural, dielectric, and anelastic spectroscopy investigations, Craciun, F.; Cordero, F.; Ciuchi, I. V.; Mitoseriu, L.; Galassi, C., JOURNAL OF APPLIED PHYSICS Volume 117 Pages 184103 Published 2015 Times Cited: 0, ISI: 2.101
47. The Alternative Expression of Lichtenecker's Logarithmic Mixture Formula and Its Application to the Broadband Dielectric Spectroscopy of BaTiO₃-Ni_{0.5}Zn_{0.5}Fe₂O₄ Composites, Sakanas, A.; Grigalaitis, R.; Ivanov, M.; Banys, J.; Mitoseriu, L.; Buscaglia, V.; Nanni, P. FERROELECTRICS Volume 479 Pages 90 - Published 2015 Times Cited: 0, ISI:
48. Impedance spectroscopy characterization of relaxation mechanisms in gold-chitosan nanocomposites, Neagu, Alexandra; Curecheriu, Lavinia; Airimioaei, Mirela; et al., Composites Part B-Engineering, Volume 71 Pages 210 (2015) Times Cited: 3, ISI: 3.850

2014

49. Design tunable materials: Ferroelectric-antiferroelectric composite with core-shell structure, Curecheriu, Lavinia-Petronela; Buscaglia, Maria Teresa; Maglia, Filippo; Anselmi-Tamburini, Umberto; Buscaglia, Vincenzo; Mitoseriu, Liliana, APPLIED PHYSICS LETTERS Volume 105 Pages 252901 - Published 2014 Times Cited: 0, ISI:

50. Multiscale study of ferroelectric-relaxor crossover in $\text{BaSn}_x\text{Ti}_{1-x}\text{O}_3$ ceramics, Horchidan, N.; Ianculescu, A. C.; Vasilescu, C. A.; Mitoseriu, L. et al. JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 34 Issue: 15 Pages: 3661-3674 Published: DEC 2014, Times Cited: 0, ISI: 2.307
51. Impedance analysis and tunability of BaTiO_3 -chitosan composites: Towards active dielectrics for flexible electronics, Neagu, A. M.; Curecheriu, Lavinia P.; Cazacu, A.; Mitoseriu, L. et al. COMPOSITES PART B-ENGINEERING Volume: 66 Pages: 109-116 Published: NOV 2014, Times Cited: 0, ISI: 2.602
52. Novel magnetoelectric ceramic composites by control of the interface reactions in $\text{Fe}_2\text{O}_3@ \text{BaTiO}_3$ core-shell structures, Curecheriu L.; Postolache, P.; Buscaglia, M. T.; Mitoseriu, L. et al., JOURNAL OF APPLIED PHYSICS Volume: 116 Issue: 8 Article Number: 084102, Published: AUG 28 2014, Times Cited: 0, ISI:2.602
53. Broadband dielectric spectroscopy of $\text{BaTiO}_3\text{-Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ composite ceramics, Sakanas, A.; Grigalaitis, R.; Banyas, J.; Mitoseriu, L. et al. JOURNAL OF ALLOYS AND COMPOUNDS Volume: 602 Pages: 241-247 Published: JUL 25 2014, Times Cited: 2, ISI:2.726
54. Characterization of Yttrium Iron Garnet/Barium Titanate Multiferroic Composites Prepared by Sol-Gel and Coprecipitation Methods, Schileo, G.; Feteira, A.; Reaney, Ian M.; Mitoseriu, L. et al., INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY Volume: 11, Issue: 3 Special Issue: SI Pages: 457-467 Published: MAY 2014, Times Cited: 0, ISI:1.215
55. Investigation of the functional properties of $\text{Mg}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$ ceramics, Mocanu, Z. V.; Airimioaei, M.; Ciomaga, C. E.; Mitoseriu, L. et al., JOURNAL OF MATERIALS SCIENCE Volume: 49 Issue: 8 Pages: 3276-3286 Published: APR 2014, Times Cited: 0, ISI:2.305
56. Effect of dysprosium substitution on crystal structure and physical properties of multiferroic BiFeO_3 ceramics, Koval, V.; Skorvanek, I.; Reece, M.; Mitoseriu, L. et al., JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 34 Issue: 3 Pages: 641-651 Published: MAR 2014, Times Cited: 2, ISI:2.307
57. Structural Investigation and Functional Properties of $\text{Mg}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$ Ferrites, Airimioaei, M.; Palamaru, M.-N.; Iordan, A. R.; Mitoseriu, L. et al., JOURNAL OF THE AMERICAN CERAMIC SOCIETY Volume: 97, Issue: 2, Pages: 519-526 Published: FEB 2014, Times Cited: 1, ISI:2.428
58. Investigation of low field dielectric properties of anisotropic porous $\text{Pb}(\text{Zr},\text{Ti})\text{O}-3$ ceramics: Experiment and modeling (vol 114, 214101, 2013), Olariu, C. S.; Padurariu, L.; Stanculescu, R.; Mitoseriu, L. et al., JOURNAL OF APPLIED PHYSICS Volume: 115 Issue: 2 Article Number: 029902 Published: JAN 14 2014, Times Cited: 0, ISI: 2.602
59. Self-Organization and/or Nanocrystallinity of Co Nanocrystals Effects on the Oxidation Process Using High-Energy Electron Beam Cazacu, A.; Larosa, C.; Beaunier, P.; Mitoseriu, L. et al., ADVANCED FUNCTIONAL MATERIALS Volume: 24 Issue: 1 Pages: 164-170 Published: JAN 2014, Times Cited: 0, ISI:10.439

2013

60. Investigation of low field dielectric properties of anisotropic porous $\text{Pb}(\text{Zr},\text{Ti})\text{O}-3$ ceramics: Experiment and modeling, Olariu, C. S.; Padurariu, L.; Stanculescu, R.; Mitoseriu, L. et al., JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 21 Article Number: 214101 Published: DEC 7 2013, Times Cited: 1, ISI:2.602
61. Determination of bone mineral volume fraction using impedance analysis and Bruggeman model, Ciuchi, I. V.; Olariu, C. S.; Mitoseriu, L., Conference: 9th International Conference on Physics of Advanced Materials (ICPAM) Location: Alexandru Ioan Cuza Univ Iasi, Iasi, ROMANIA Date: SEP 20-23, 2012, Sponsor(s): Romanian Minist Educ & Res, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS Volume: 178 Issue: 19 Special Issue: SI Pages: 1296-1302 Published: NOV 20 2013, Times Cited: 2, ISI:2.122
62. Dielectric properties of PZT-epoxy composite thick films, Pascariu, V.; Padurariu, L.; Avadanei, O.; Mitoseriu, L. et al., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 574 Pages: 591-599 Published: OCT 15 2013, Times Cited: 1, ISI:2.726
63. Preparation and functional characterization of BiFeO_3 ceramics: A comparative study of the dielectric properties, Gheorghiu, F.; Calugaru, M.; Ianculescu, A.; Mitoseriu, L. et al., SOLID STATE SCIENCES Volume: 23 Pages: 79-87 Published: SEP 2013, Times Cited: 0, ISI:1.679
64. BaTiO_3 -ferrite composites with magnetocapacitance and hard/soft magnetic properties, Curecheriu, L.; Postolache, P.; Buscaglia, V.; Mitoseriu, L. et al., PHASE TRANSITIONS Volume: 86 Issue: 7 Special Issue: SI Pages: 670-680 Published: JUL 1 2013, Times Cited: 2, ISI:1.044
65. Investigation of the ferroelectric-relaxor crossover in Ce-doped BaTiO_3 ceramics by impedance spectroscopy and Raman study Curecheriu, L. P.; Deluca, M.; Mocanu, Z. V.; Mitoseriu, L. et al., PHASE TRANSITIONS Volume: 86 Issue: 7 Special Issue: SI Pages: 703-714 Published: JUL 1 2013, Times Cited: 2, ISI:1.044
66. Preparation and characterization of PbTiO_3 -epoxy resin compositionally graded thick films, Pascariu, V.; Avadanei, O.; Gasner, P.; Mitoseriu, L. et al., PHASE TRANSITIONS Volume: 86 Issue: 7 Special Issue: SI Pages: 715-725 Published: JUL 1 2013, Times Cited: 4, ISI:1.044
67. Preparation of $\text{Bi}_2\text{Fe}_4\text{O}_9$ particles by hydrothermal synthesis and functional properties, Gheorghiu, F.; Tanasa, R.; Buscaglia, M. T.; Mitoseriu, L. et al., PHASE TRANSITIONS Volume: 86 Issue: 7 Special Issue: SI Pages: 726-736 Published: JUL 1 2013, Times Cited: 0, ISI:1.044
68. Tunable gold-chitosan nanocomposites by local field engineering, Cazacu, A.; Curecheriu, L.; Neagu, A.; Mitoseriu, L. et al., APPLIED PHYSICS LETTERS Volume: 102 Issue: 22 Article Number: 222903 Published: JUN 3 2013, Times Cited: 2, ISI:3.515
69. Tunable dielectric characteristics of Mn-doped BiFeO_3 multiferroic ceramics, Gheorghiu, F.; Curecheriu, L.; Ianculescu, A.; Mitoseriu, L. et al., SCRIPTA MATERIALIA Volume: 68 Issue: 5 Pages: 305-308 Published: MAR 2013, Times Cited: 0, ISI:2.968

2012

70. Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites, Ciomaga, C. E.; Neagu, A.M.; Pop, M. V.; Mitoseriu, L. et al., JOURNAL OF APPLIED PHYSICS Volume: 113 Issue: 7 Article Number: 074103 Published: FEB 21 2013, Times Cited: 6, ISI:2.602
71. Grain Size-Dependent Properties of Dense Nanocrystalline Barium Titanate Ceramics, Curecheriu, Lavinia; Balmus, Sorin-Bogdan; Buscaglia, Maria Teresa; Mitoseriu, L. et al., JOURNAL OF THE AMERICAN CERAMIC SOCIETY Volume: 95 Issue: 12 Pages: 3912-3921 Published: DEC 2012, Times Cited: 8, ISI:2.107
72. Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, Ciomaga, C. E.; Olariu, C. S.; Padurariu, L.; Mitoseriu, L. et al., JOURNAL OF APPLIED PHYSICS Volume: 112 Issue: 9 Article Number: 094103 Published: NOV 1 2012, Times Cited: 1 ISI:2.143
73. Investigation of the composition-dependent properties of $\text{BaTi}_{1-x}\text{Zr}_x\text{O}_3$ ceramics prepared by the modified Pechini method, Deluca, M.; Vasilescu, C. A.; Ianculescu, A. C.; Mitoseriu, L. et al. JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 32 Issue: 13 Pages: 3551-3566 Published: OCT 2012, Times Cited: 24, ISI:2.360
74. Preparation and magnetoelectric properties of NiFe_2O_4 -PZT composites obtained in-situ by gel-combustion method, Ciomaga, C.E.; Airimioaei, M.; Nica, V.; Mitoseriu, L. et al. JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 32 Issue: 12 Pages: 3325-3337 Published: SEP 2012, Times Cited: 8, ISI:2.360
75. Field-dependent permittivity in nanostructured BaTiO_3 ceramics: Modeling and experimental verification, Padurariu, L.; Curecheriu, L.; Buscaglia, V.; Mitoseriu, L. et al., PHYSICAL REVIEW B Volume: 85 Issue: 22 Article Number: 224111 Published: JUN 20 2012, Times Cited: 11 ISI:3.767
76. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, Padurariu, L.; Curecheriu, L.; Galassi, C.; Mitoseriu, L. et al., APPLIED PHYSICS LETTERS Volume: 100 Issue: 25 Article Number: 252905 Published: JUN 18 2012, Times Cited: 7, ISI:3.794

77. Experimental and analytical modeling of resonant permittivity and permeability in ferroelectric-ferrite composites in microwave range Ciomaga, C. E.; Balmus, S. B.; D., Ioan; Mitoseriu, L. et al., JOURNAL OF APPLIED PHYSICS Volume: 111 Issue: 12 Article Number: 124114 Published: JUN 15 2012, Times Cited: 1, ISI:2.143
78. High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in $BaSn_xTi_{1-x}O_3$ ceramics, Deluca, M.; Stoleriu, L.; Curecheriu, L. P.; Mitoseriu, L. et al., JOURNAL OF APPLIED PHYSICS Volume: 111 Issue: 8 Article Number: 084102 Published: APR 15 2012, Times Cited: 10, ISI: 2.143
79. New Broadband Button-Shaped Antenna on Innovative Magneto-Dielectric Material for Wearable Applications, Aldrigo, M.; Bianchini, Davide; C., Alessandra; et al., Book Group Author(s): IEEE, Conference: 42nd European Microwave Conference (EuMC) Location: Amsterdam, NETHERLANDS Date: OCT 28-NOV 02, 2012, Sponsor(s): APS; European Microwave Assoc; IEEE; MTT S; Horizon House 2012 42ND EUROPEAN MICROWAVE CONFERENCE (EUMC) Book Series: European Microwave Conference Pages: 723-726 Published: 2012, Times Cited: 0
80. New Broadband Button-Shaped Antenna on Innovative Magneto-Dielectric Material for Wearable Applications, Aldrigo, M.; Bianchini, D.; Costanzo, A.; Mitoseriu, L. et al., Book Group Author(s): IEEE Conference: 15th European Microwave Week - Space for Microwaves Conference Proceedings Location: Amsterdam, NETHERLANDS Date: OCT 28-NOV 02, 2012, 2012 9TH EUROPEAN RADAR CONFERENCE (EURAD) Pages: 397-400 Published: 2012, Times Cited: 0
81. Mossbauer Investigations of the $0.5BaTiO_3$ - $0.5(Ni,Zn)Fe_2O_4$ Composites, Ramoska, T.; Banyas, J.; Mitoseriu, L.; et al., FERROELECTRICS Volume: 428 Pages: 101-108 Published: 2012, Times Cited: 2, ISI:0.415

2011

82. Oxygen deficiency and grain boundary-related giant relaxation in $Ba(Zr,Ti)O_3$ ceramics, Ciomaga, C. E.; Buscaglia, M. T.; Buscaglia, V.; L. Mitoseriu, JOURNAL OF APPLIED PHYSICS Volume: 110 Issue: 11 Article Number: 114110 Published: DEC 1 2011, Times Cited: 13 ISI:1.731
83. Magnetic and dielectric properties of $Ba_{12}Fe_{28}Ti_{15}O_{84}$ layered ferrite ceramics, Curecheriu, L. P.; Buscaglia, M. T.; Ianculescu, A. C.; R.C. Frunza, I.V. Ciuchi, A. Neagu, G. Apachitei, A. Bassano, G. Canu, P. Postolache, L. Mitoseriu, V. Buscaglia, JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 44 Issue: 43 Article Number: 435002 Published: NOV 2 2011, Times Cited: 3, ISI:2.544
84. Non-linear dielectric properties of $BiFeO_3$ ceramics, Curecheriu, L.; Gheorghiu, F.; Ianculescu, A.; Mitoseriu L., APPLIED PHYSICS LETTERS Volume: 99 Issue: 17 Article Number: 172904 Published: OCT 24 2011, Times Cited: 4, ISI:3.844
85. Dielectric and tunability properties of La-doped $BaTiO_3$ ceramics, Ianculescu, A.; Mocanu, Z. V.; Curecheriu, L. P.; Mitoseriu L., Padurariu L., Trusca R., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 509 Issue: 41 Pages: 10040-10049 Published: OCT 13 2011, Times Cited: 4, ISI:2.289
86. Impedance spectroscopy method for investigation of the polycrystalline inhomogeneous ceramics, Mocanu, Z. V.; Apachitei, G.; Padurariu, L.; F. Tudorache, L.P. Curecheriu, L. Mitoseriu, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS Volume: 56 Issue: 1 Article Number: 10102 Published: OCT 2011, Times Cited: 1, ISI:0.771
87. Dielectric investigation of $(MMV)-M-II(PO_4)_2$ double orthophosphates (M-II = Ca, Sr, Ba, Pb; M-IV = Ti, Zr, Hf, Ge, Sn), Tudorache, F.; Popa, K.; Mitoseriu, L.; et al., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 509 Issue: 37 Pages: 9127-9132 Published: SEP 15 2011, Times Cited: 4, ISI:2.289
88. Comment on "High K Capacitors and OFET Gate Dielectrics from Self-Assembled $BaTiO_3$ and $(Ba,Sr)TiO_3$ Nanocrystals in the Superparaelectric Limit" - On the Superparaelectric State in $BaTiO_3$ Nanocrystals, Mitoseriu, L.; Buscaglia, V., ADVANCED FUNCTIONAL MATERIALS Volume: 21 Issue: 17 Pages: 3210-3211 Published: SEP 9 2011, Times Cited: 0, ISI:10.179
89. Monte Carlo simulations for describing the ferroelectric-relaxor crossover in $BaTiO_3$ -based solid solutions, Padurariu, L.; Enachescu, C.; Mitoseriu, L., JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 23 Issue: 32 Article Number: 325901 Published: AUG 17 2011, Times Cited: 2, ISI:2.546
90. Synthesis and functional properties of the $Ni_{1-x}Mn_xFe_2O_4$ ferrites, Airimioaei, M.; Ciomaga, C. E.; Apostolescu, N.; L. Leontie, A.R. Iordan, L. Mitoseriu, M.N. Palamaru, JOURNAL OF ALLOYS AND COMPOUNDS Volume: 509 Issue: 31 Pages: 8065-8072 Published: AUG 4 2011, Times Cited: 14, ISI:2.289
91. Preparation and characterisation of PZT films by RF-magnetron sputtering, Frunza, R.; Ricinchi, D.; Gheorghiu, F.; R. Apetrei, D. Luca, L. Mitoseriu, M. Okuyama, JOURNAL OF ALLOYS AND COMPOUNDS Volume: 509 Issue: 21 Pages: 6242-6246 Published: MAY 26 2011, Times Cited: 10, ISI:2.289
92. Temperature dependence of tunability of $Ba(Sn_xTi_{1-x})O_3$ ceramics, Curecheriu, L. P.; Ianculescu, A. C.; Horchidan, N.; S. Stoleriu, F. Tudorache, S. Tascu, L. Mitoseriu, JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 8 Article Number: 084103 Published: APR 15 2011, Times Cited: 8, ISI: 1.731
93. Preparation and characterization of barium titanate stannate solid solutions, Nadejda Horchidan, Adelina C. Ianculescu, Lavinia P. Curecheriu, Florin Tudorache, Valentina Musteata, Stefania Stoleriu, Nicolae Dragan, Dorel Crisan, Sorin Tascu, Liliana Mitoseriu, JOURNAL OF ALLOYS AND COMPOUNDS Volume: 509 Issue: 14 Pages: 4731-4737 Published: APR 7 2011, Times Cited: 16, ISI:2.289

2010

94. Method for measuring tunability of ceramic materials, involves using circuit having high voltage source controlled by function generator and applying high voltage to assay-sample through protection resistor, Patent Number: RO125567-A0; RO125567-B1, Patent Assignee: UNIV POLITEHNICA DIN BUCURESTI, Inventor(s): Ianculescu A C; Mitoseriu L.; Curecheriu L P; et al.
95. Grain size effect on the nonlinear dielectric properties of barium titanate ceramics, Curecheriu, L.; Buscaglia, M. T.; Buscaglia, V.; Mitoseriu, L. et al., APPLIED PHYSICS LETTERS Volume: 97 Issue: 24 Article Number: 242909 Published: DEC 13 2010, Times Cited: 25, ISI:3.841
96. Raman investigation and functional characterization of $(Pb_{0.8}La_{0.2})(Mg_{0.4}Nb_{0.6})O_3$ ceramics prepared by the columbite method, Ianculescu, A.; Carnasciali, M. M.; Curecheriu, L. P.; Mitoseriu, L. et al., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 508 Issue: 2 Pages: 391-395 Published: OCT 22 2010, Times Cited: 0, ISI:2.138
97. Preparation and properties of $(1-x)BiFeO_3-xBaTiO_3$ multiferroic ceramics, Gheorghiu, Felicia P.; Ianculescu, A.; Postolache, P.; Mitoseriu, L. et al., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 506 Issue: 2 Pages: 862-867 Published: SEP 17 2010, Times Cited: 20, ISI:2.138
98. $Fe_2O_3@BaTiO_3$ Core-Shell Particles as Reactive Precursors for the Preparation of Multifunctional Composites Containing Different Magnetic Phases, Buscaglia, M. T.; Buscaglia, V.; Curecheriu, L.; Mitoseriu, L. et al., CHEMISTRY OF MATERIALS Volume: 22 Issue: 16 Pages: 4740-4748 Published: AUG 24 2010, Times Cited: 12, ISI:6.4
99. The role of doping on the structural and functional properties of $BiFe_{1-x}Mn_xO_3$ magnetoelectric ceramics, Ianculescu, A.; Gheorghiu, Felicia P.; Postolache, P.; Mitoseriu, L. et al., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 504 Issue: 2 Pages: 420-426 Published: AUG 20 2010, Times Cited: 33, ISI:2.138
100. Structural and dielectric/ferroelectric properties of $(La_{1-x}Nd_x)_2Ti_2O_7$ synthesized by sol-gel route, Shao, Z.; Saitzek, S.; Roussel, P.; Mitoseriu, L. et al., JOURNAL OF SOLID STATE CHEMISTRY Volume: 183, Issue: 7, Pages: 1652-1662 Published: JUL 2010, Times Cited: 14, ISI:2.261

101. Microstructure and magnetic properties of BaTiO₃-(Ni,Zn)Fe₂O₄ multiferroics, Koblischka, M. R.; Koblischka-Veneva, A.; Wick, M.; Mitoseriu, L. et al. Conference: Symposium on Synthesis, Processing and Characterization of Nanoscale Multi Functional Oxide Films II held at the 2009 Spring EMRS Meeting Location: Strasbourg, FRANCE Date: JUN 08-12, 2009 Sponsor(s): European Mat Res Soc. THIN SOLID FILMS Volume: 518 Issue: 16 Special Issue: SI Pages: 4730-4733 Published: JUN 1 2010, Times Cited: 4, ISI:1.935
102. Functional properties of BaTiO₃-Ni_{0.5}Zn_{0.5}Fe₂O₄ magnetoelectric ceramics prepared from powders with core-shell structure, Curecheriu, L. P.; Buscaglia, M. T.; Buscaglia, V.; Mitoseriu, L. et al., JOURNAL OF APPLIED PHYSICS Volume: 107 Issue: 10 Article Number: 104106 Published: MAY 15 2010, Times Cited: 29, ISI:1.773
103. Magnetoelectric ceramic composites with double-resonant permittivity and permeability in GHz range: A route towards isotropic metamaterials, Ciomaga, C. E.; Dumitru, I.; Mitoseriu, L.; et al., SCRIPTA MATERIALIA Volume: 62 Issue: 8 Pages: 610-612 Published: APR 2010, Times Cited: 8, ISI:2.82
104. Preparation by Citrate Combustion and Characterization of Complex Oxides Ca_{2-x}La_xMnMoO₆, Perianu, E.-A.; Gorodea, I. A.; Prihor, F.; Mitoseriu, L. et al., REVISTA DE CHIMIE Volume: 61 Issue: 3 Pages: 242-244 Published: MAR 2010, Times Cited: 1, ISI:0.69
105. Synthesis of BaTiO₃ by soft chemistry routes, Ianculescu, Adelina; Berger, Daniela; Matei, Cristian; Mitoseriu, L. et al., Conference: 2nd International Workshop on Smart Materials and Structures Location: Kiel, GERMANY Date: AUG 29-31, 2007, JOURNAL OF ELECTROCERAMICS Volume: 24 Issue: 1 Special Issue: SI, Pages: 46-50 Published: FEB 2010, Times Cited: 5, ISI:0.676
106. BST ceramic material, method for measuring tunability and BST ceramic device for measuring high voltages by galvanic separation, Patent Number: RO125528-A2; RO125566-A0; RO125528-B1, Patent Assignee: Univ Politehnica din Bucuresti, Inventor(s): Curecheriu L. P.; Ianculescu A C; Mitoseriu, L.; et al.
107. Ba(Ti,Zr)O₃ - Functional Materials: From Nanopowders To Bulk Ceramics, Ianculescu, A.; Mitoseriu, L., Edited By: Bartul, Z; Trenor, J, ADVANCES IN NANOTECHNOLOGY, VOLUME 3 Book Series: Advances In Nanotechnology Volume: 3 Pages: 59-120 Published: 2010, Times Cited: 0
108. Ba(Ti,Zr)O₃-Functional Materials: From Nanopowders to Bulk Ceramics, Ianculescu, A.; Mitoseriu, L., Ba(Ti,Zr)O₃-FUNCTIONAL MATERIALS: FROM NANOPOWDERS TO BULK CERAMICS Book Series: Nanotechnology Science and Technology Pages: 1-99 Published: 2010, Publisher: NOVA SCIENCE PUBLISHERS, INC, 400 OSER AVE, STE 1600, HAUPPAUGE, NY 11788-3635 USA, Times Cited: 2
109. State of the art for the BaTiO₃-BaZrO₃ System, Ianculescu, A.; Mitoseriu, L., Book Author(s): Ianculescu, A; Mitoseriu, L., Ba(Ti,Zr)O₃-functional materials: from nanopowders to bulk ceramics, Book Series: NANOTECHNOLOGY SCIENCE AND TECHNOLOGY Published: 2010, Times Cited: 0
110. Preparation And Characterization Of Ba(Ti,Zr)O₃ Nanopowders: Influence of The Processing Method On The Structural And Morphological Properties, Ianculescu, A.; Mitoseriu, L., Book Author(s): Ianculescu, A, Mitoseriu, L., Ba(Ti,Zr)O₃-functional materials: from nanopowders to bulk ceramics Book Series: Nanotechnology Science and Technology Pages: 9-22 Published: 2010, Times Cited: 0
111. Preparation and characteristics of Ba(Ti,Zr)O₃ ceramics: effect of composition and grain size on the functional properties, Ianculescu, A.; Mitoseriu, L., Book Author(s): Ianculescu, A; Mitoseriu, L., Ba(Ti,Zr)O₃-functional materials: from nanopowders to bulk ceramics Book Series: Nanotechnology Science and Technology Pages: 23-74 Published: 2010, Times Cited: 0
112. Ba(Ti,Zr)O₃ - functional materials: from nanopowders to bulk ceramics conclusions, Ianculescu, A.; Mitoseriu, L., Book Author(s): Ianculescu, A; Mitoseriu, L., Ba(Ti,Zr)O₃-FUNCTIONAL MATERIALS: FROM NANOPOWDERS TO BULK CERAMICS Book Series: Nanotechnology Science and Technology Pages: 75-76 Published: 2010, Times Cited: 0
113. Ferroelectric-relaxor crossover characteristics in Ba(Zr_xTi_{1-x})O₃ ceramics investigated by AFM-piezoresponse study, Ricinchi, D.; Ciomaga, C. E.; Mitoseriu, L.; et al., Conference: 11th Electroceramics Conference 2008 Location: Univ Manchester, Manchester, ENGLAND Date: SEP 01-03, 2008, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 30 Issue: 2 Special Issue: SI Pages: 237-241 Published: JAN 2010, Times Cited: 12, ISI:2.575
67. Tunability properties in the paraelectric state of the Pb(Mg_{1/3}Nb_{2/3})O₃ ceramics, Curecheriu, L. P.; Ianculescu, A.; Mitoseriu, L. Conference: 11th Electroceramics Conference 2008 Location: Univ Manchester, Manchester, ENGLAND Date: SEP 01-03, 2008 JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 30 Issue: 2 Special Issue: SI Pages: 599-603 Published: JAN 2010 Times Cited: 3, ISI:2.575
114. In situ preparation of CoFe₂O₄-Pb(ZrTi)O₃ multiferroic composites by gel-combustion technique, A.R. Iordan, M. Airimioaiei, M.N. Palamaru, C. Galassi, A.V. Sandu, C.E. Ciomaga, F. Prihor, L. Mitoseriu, A. Ianculescu, J. EUR. CERAM. SOC. 29, 2807-2813 (2009), Times Cited: 16, ISI:2.090
115. Preparation and properties of the CoFe₂O₄-Nb-Pb(Zr,Ti)O₃ multiferroic composites prepared in situ by gel-combustion method", C.E. Ciomaga, C. Galassi, F. Prihor, I. Dumitru, L. Mitoseriu, A.R. Iordan, M. Airimioaiei, M.N. Palamaru, J. ALLOYS & COMPOUNDS, 485, 372-378 (2009), Times Cited: 9 ISI:2.135
116. Non-linear dielectric properties of Ba_{1-x}Sr_xTiO₃ ceramics, L.P. Curecheriu, L. Mitoseriu, A. Ianculescu, J. ALLOYS & COMPOUNDS 482, 1-4 (2009), Times Cited: 12, ISI:2.090
117. Tunability properties of the Pb(Mg_{1/3}Nb_{2/3})O₃ relaxors and theoretical description, L.P. Curecheriu, L. Mitoseriu, A. Ianculescu, J. ALLOYS & COMPOUNDS 485, 1-5 (2009), Times Cited: 7, ISI:2.135
118. Temperature-dependent tunability in the paraelectric state of BaTiO₃ - based solid solutions, L.P.Curecheriu, C.E.Ciomaga, L. Mitoseriu, FERROELECTRICS 391, 83-90 (2009), Times Cited: 3, ISI:0.447
119. Functional properties of the (1-x)BiFeO₃ - xBaTiO₃ solid solutions, F. Prihor, A. Ianculescu, L. Mitoseriu, P. Postolache, L. Curecheriu, N. Dragan and D. Crisan, FERROELECTRICS 391, 76-82 (2009), Times Cited: 9, ISI:0.447
120. Preparation, structural and magnetic properties of Mn-doped La_{0.1}Bi_{0.9}FeO₃ ceramics, A. Ianculescu, F. Prihor, P. Postolache, L. Mitoseriu, N. Dragan, D. Crisan, FERROELECTRICS 391, 67-75 (2009), Times Cited: 3, ISI:0.447
121. Critical evolution of the local order parameters related to the nanopolar domains in Pb(Mg_{1/3}Nb_{2/3})O₃ ceramics, L.P. Curecheriu, L. Mitoseriu, A. Ianculescu, A. Braileanu, Appl. Phys. A, 97, 587-594 (2009), Times Cited: 5, ISI:1.595

2008

122. „Properties of Ba_{1-x}Sr_xTiO₃ Ceramics Prepared by the Modified-Pechini Method”, A. Ianculescu, D. Berger, L. Mitoseriu, L.P. Curecheriu, N. Dragan, D. Crisan, E. Vasile, FERROELECTRICS 369, 22-34 (2008), Times Cited: 11, ISI:0.562
123. Properties of the Pb(Mg_{1/3}Nb_{2/3})O₃ Ceramics Prepared by Using Two Different Mg Precursors”, L. Mitoseriu, A. Ianculescu, M.M. Carnasciali, A. Braileanu, L. Curecheriu, FERROELECTRICS 369, 157-169 (2008), Times Cited: 3, ISI:0.562
124. Study of the frequency-dependence of the complex permittivity in Ba(Zr,Ti)O₃ ceramics: evidences of the grain boundary phenomena”, L. Mitoseriu, C.E. Ciomaga, I. Dumitru, L.P. Curecheriu, F. Prihor and A. Guzu, J. Optoelect. & Adv. Mater. 10, No. 7, 1843 - 1846 (2008)
125. Compositionally induced ferroelectric-relaxor crossover in Ba(Zr,Ti)O₃ ceramics”, C.E. Ciomaga, M.T. Buscaglia, M. Viviani, L. Mitoseriu, V. Buscaglia, P. Nanni, J. OPTOEL. & ADV. MATER. 10, No. 9, 2367 - 2372 (2008), Times Cited: 2, ISI:0.577
126. Preparation and magnetic properties of the (1-x)BiFeO₃ - xBaTiO₃ solid solutions”, A. Ianculescu, L. Mitoseriu, H. Chiriac, M.M. Carnasciali, A. Braileanu and R. Trusca, J. OPTOEL. & ADV. MATER. 10, No. 7, 1805 - 1809 (2008), Times Cited: 5, ISI:0.577
127. Dielectric properties of the (1-x)BiFeO₃ - xBaTiO₃ multiferroic ceramics”, L. Mitoseriu, M. Viviani, M.T. Buscaglia, V. Buscaglia, P. Nanni, J. OPTOEL. & ADV. MATER. 10, No. 9, 2373 - 2379 (2008), Times Cited: 2, ISI:0.577

128. Tailoring of perovskite oxides nanopowders: particles size and morphology control to produce nanocrystalline dense ceramics", M.T. Buscaglia, V. Buscaglia, M. Viviani, L. Mitoseriu, P. Nanni, J. OPTOEL. & ADV. MATER., 10, No. 7, 1771 - 1774 (2008), Times Cited: 0, ISI:0.577
129. Tunability characteristics of BaTiO₃ -based ceramics: Modeling and experimental study", L.P. Curecheriu, F.M. Tufescu, A. Ianculescu, C.E. Ciomaga, L. Mitoseriu, A. Stancu, J. OPTOEL. & ADV. MATER. Vol. 10, No. 7, 1792 - 1795 (2008), Times Cited: 5, ISI:0.577
130. High-voltage tunability measurements of the BaZr_xTi_{1-x}O₃ ferroelectric ceramics", F.M. Tufescu, L. Curecheriu, A. Ianculescu, C.E. Ciomaga, L. Mitoseriu, J. OPTOEL. & ADV. MATER. Vol. 10, No. 7, 1894 - 1897 (2008), Times Cited: 18, ISI:0.577

2007

131. Magnetic properties of the BaTiO₃-(Ni,Zn)Fe₂O₄ multiferroic composites", Liliana Mitoseriu, I. Pallecchi, V. Buscaglia, A. Testino, C.E. Ciomaga and A. Stancu, J. MAGN. AND MAGN. MATER. 316, 603-606 (2007), Times Cited: 17, ISI:1.693
132. Dielectric properties of Pb(Mg_{1/3}Nb_{2/3})O₃ and (Pb_{1-x}La_x)(Mg_{(1-x)/3}Nb_{(2-x)/3})O₃ ceramics prepared by columbite route, A. Ianculescu, A. Brăileanu, M. Viviani, Liliana Mitoseriu, J. EUR. CERAM. SOC. 27 (13), 4375-4378 (2007), Times Cited: 8, ISI:1.562
133. Investigation of Ba_{1-x}Sr_xTiO₃ ceramics elaborated from powders synthesized by the modified Pechini route, A. Ianculescu, D. Berger, M. Viviani, C.E. Ciomaga, Liliana Mitoseriu, E. Vasile, N. Drăgan and D. Crișan, J. EUR. CERAM. SOC. 27 (13), 3655-3658 (2007), Times Cited: 18, ISI:1.562
134. Hysteresis and tunability characteristics of Ba(Zr,Ti)O₃ ceramics described by First Order Reversal Curves diagrams, Liliana Mitoseriu, C.E. Ciomaga, V. Buscaglia, L. Stoleriu, D. Piazza, C. Galassi, A. Stancu, P. Nanni, J. EUR. CERAM. SOC. 27 (13), 3723-3726 (2007), Times Cited: 11, ISI:1.562
135. Preparation and characterisation of the Ba(Zr,Ti)O₃ ceramics with relaxor properties, C. Ciomaga, M. Viviani, M.T. Buscaglia, V. Buscaglia, Liliana Mitoseriu, A. Stancu and P. Nanni, J. Eur. Ceram. Soc. 27 (13), 4061-4064 (2007), Times Cited: 40, ISI:1.562
136. Magnetic and ferroelectric domain structures in BaTiO₃ - (Ni_{0.5}Zn_{0.5})Fe₂O₄ multiferroic ceramics, C. Harnagea, Liliana Mitoseriu, V. Buscaglia, I. Pallecchi, P. Nanni, J. EUR. CERAM. SOC. 27 (13), 3947-3950 (2007)
137. BaTiO₃-(Ni_{0.5}Zn_{0.5})Fe₂O₄ ceramic composites with ferroelectric and magnetic properties, Liliana Mitoseriu, C. Harnagea, V. Buscaglia, M. Viviani, M.T. Buscaglia, I. Pallecchi, A. Testino, P. Nanni, A.S. Siri, J. EUR. CERAM. SOC. 27 (13), 4379-4382 (2007), Times Cited: 20, ISI:1.562
138. Preparation and characterization of BiFeO₃ ceramic, V. Fruth, Liliana Mitoseriu, D. Berger, A. Ianculescu, C. Matei, S. Preda, M. Zaharescu, PROGRESS IN SOLID STATE CHEMISTRY, 35, 193-202 (2007), Times Cited: 38, ISI:1.754

2006

139. "High dielectric constant and frozen macroscopic polarization in dense nanocrystalline BaTiO₃ ceramics", M.T. Buscaglia, M. Viviani, V. Buscaglia, Liliana Mitoseriu, A. Testino, P. Nanni, Z. Zhao, M. Nygren, C. Harnagea, D. Piazza, C. Galassi, PHYS. REV. B. 73, 064114 (2006), Times Cited: 114, ISI:3.107
140. "Investigation of the switching characteristics in ferroelectrics by first-order reversal curve diagrams", A. Stancu, Liliana Mitoseriu, L. Stoleriu, D. Piazza, C. Galassi, D. Ricinchi, M. Okuyama, PHYSICA B 372, 226-229 (2006), Times Cited: 3, ISI:0.872
141. "High-temperature macroscopic piezoelectricity in Nb-doped PbZr_{1-x}Ti_xO₃ ceramics driven by the existence of polar regions", I. Franke, K. Roleder, Liliana Mitoseriu, R. Piticescu, Z. Ujma, PHYS. REV. B 73, 144114 (2006), Times Cited: 10, ISI:3.107
142. "Grain size and grain boundary - related effects on the properties of nanocrystalline Barium Titanate ceramics", V. Buscaglia, M.T. Buscaglia, M. Viviani, Liliana Mitoseriu, P. Nanni, V. Trefiletti, P. Piaggio, I. Gregora, T. Ostapchuk, J. Pokorný and J. Petzelt, J. EUR. CERAM. Soc., 26, 2889-2898 (2006), Times Cited: 66, ISI:1.567
143. "Preparation and characterisation of the magneto-electric xBiFeO₃-(1-x)BaTiO₃ ceramics", M.T. Buscaglia, Liliana Mitoseriu, V. Buscaglia, I. Pallecchi, M. Viviani, P. Nanni, A.S. Siri, J. EUR. CERAM. SOC. 26, 3027-3030 (2006), Times Cited: 31, ISI:1.576
144. "Preparation of multiferroic composites of BaTiO₃-Ni_{0.5}Zn_{0.5}Fe₂O₄ ceramics", A. Testino, Liliana Mitoseriu, V. Buscaglia, M.T. Buscaglia, M. Viviani, I. Pallecchi, A.S. Albuquerque, V. Calzona, D. Marré, A.S. Siri, P. Nanni, J. EUR. CERAM. SOC. 26, 3031-3036 (2006), Times Cited: 49, ISI: 1.576
145. "Characterisation of porous PZT ceramics by First Order Reversal Curves (FORC) diagrams", D. Piazza, L. Stoleriu, Liliana Mitoseriu, A. Stancu, C. Galassi, J. EUR. CERAM. SOC. 26, 2959-2962 (2006), Times Cited: 7, ISI:1.576
146. "Influence of stoichiometry on the dielectric and ferroelectric properties of the tunable (Ba,Sr)TiO₃ ceramics investigated by First Order Reversal Curves method", Liliana Mitoseriu, L. Stoleriu, M. Viviani, J. EUR. CERAM. Soc. 26 (14): 2915-2921 (2006), Times Cited: 9, ISI:1.576
147. "Relaxor properties of Ba(Zr,Ti)O₃ Ceramics", C. E. Ciomaga, R. Calderone, M. T. Buscaglia, M. Viviani, V. Buscaglia, Liliana Mitoseriu, A. Stancu, P. Nanni, J. OPT. ADV. MAT., Vol. 8, no 3, 944-948 (2006), Times Cited: 15, ISI:1.106
148. "Preparation and dielectric properties of BaZr_{0.1}Ti_{0.9}O₃ ceramics with different grain sizes", C.E. Ciomaga, M.T. Buscaglia, M. Viviani, V. Buscaglia, Liliana Mitoseriu, A. Stancu, P. Nanni, PHASE TRANSITIONS, Vol. 79, Nos. 6-7, 389-397 (2006), Times Cited: 9, ISI:0.830
149. "Composition-dependent ferroelectric properties of Ba_{1-x}Sr_xTiO₃ ceramics", A. Ianculescu, D. Berger, C.E. Ciomaga, D. Piazza, C. Galassi, Liliana Mitoseriu, PHASE TRANSITIONS, Vol. 79, Nos. 6-7, 375-388 (2006), Times Cited: 9, ISI:0.830
150. "Grain-size effect in BaTiO₃ ceramics: study by far infrared spectroscopy", T. Ostapchuk, J. Petzelt, M. Savinov, V. Buscaglia, Liliana Mitoseriu, PHASE TRANSITIONS 79, 361-374 (2006), Times Cited: 16, ISI: 0.830
151. "Analysis of the switching properties of porous ferroelectric ceramics by means of the First-order Reversal Curves (FORC) diagrams", L. Stoleriu, A. Stancu, Liliana Mitoseriu, D. Piazza and C. Galassi, PHYS. REV. B 74, 174107 (2006), Times Cited: 12, ISI:3.107
152. "Intrinsic/extrinsic interplay contributions to the functional properties of ferroelectric-magnetic composites", Liliana Mitoseriu and V. Buscaglia, PHASE TRANSITIONS, Vol. 79, No. 12, 1-27 (2006), Times Cited: 23, ISI:0.830

2005

153. "Raman and AFM piezoresponse study of dense BaTiO₃ nanocrystalline ceramics", V. Buscaglia, M.T. Buscaglia, M. Viviani, T. Ostapchuk, I. Gregora, J. Petzelt, Liliana Mitoseriu, P. Nanni, A. Testino, R. Calderone, C. Harnagea, Z. Zhao, M. Nygren, J. EUR. CERAM. SOC. 25 (12), 3059-3062 (2005), Times Cited: 57, ISI:1.567
154. "Preparation and characterisation of Pb(Zr_{0.52}Ti_{0.48})_{0.975}Nb_{0.025}O₃ ceramics: Modelling the device", R.M. Piticescu, Liliana Mitoseriu, M. Viviani and V.M. Poladian, J. EUR. CERAM. SOC. 25 (12), 2491-2494 (2005), Times Cited: 20, ISI:1.567
155. "Magnetolectric phenomena in single-phase and composite systems", Liliana Mitoseriu, Boletín della Sociedad Española de Cerámica e Vidrio, 44[3], pp. 177-184 (2005), Times Cited: 25, ISI:0.684
156. "BaTiO₃: from nanopowders to dense nanocrystalline ceramics", M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, P. Nanni, A. Testino, M. Viviani, DEVELOPMENTS IN DIELECTRIC MATERIALS AND ELECTRONIC DEVICES, 167, 139-150 (2005), Conference Information: 106th Annual Meeting of the American-Ceramic-Society, Apr.18-21, 2004 Indianapolis, Times Cited: 1, ISI:0.33

2004

157. "Analysis of conductivity and PTCR effect in Er-doped BaTiO₃ ceramics", M. Viviani, M.T. Buscaglia, V. Buscaglia, A. Testino, P. Nanni, Liliana Mitoseriu, D. Vladikova, J. EUR. CERAM. SOC. 24, 1221-1225 (2004), Times Cited: 18, ISI: 0.427

158. "Local switching properties of dense nanocrystalline BaTiO₃ ceramics, Liliana Mitoseriu, C. Hamagea, P. Nanni, A. Testino, M.T. Buscaglia, V. Buscaglia, M. Viviani, Z. Zhao, M. Nygren, APPL. PHYS. LETT. 84, 2418-2420 (2004), Times Cited: 39, ISI:4.308
159. "Properties of PbFe₂/3W₁/3O₃ - PbTiO₃ Ferroic Ceramics", Liliana Mitoseriu, INTEGRATED FERROELECTRICS 63, 85 (2004), Times Cited: 1, ISI:0.608
160. "Grain Size effect on ferroelectric behavior of dense nanocrystalline BaTiO₃ ceramics, Z. Zhao, V. Buscaglia, M. Viviani, M.T. Buscaglia, Liliana Mitoseriu, A. Testino, M. Nygren, M. Johnsson P. Nanni, PHYS. REV. B 70, 024107 (2004), Times Cited: 338, ISI:3.075
161. "Ferroelectric Properties of dense nanocrystalline BaTiO₃ ceramics", M.T. Buscaglia, V. Buscaglia, M. Viviani, J. Petzelt, M. Savinov, Liliana Mitoseriu, A. Testino, P. Nanni, C. Hamagea, Z. Zhao and M. Nygren, NANOTECHNOLOGY 15, 1113-1117 (2004), Times Cited: 72, ISI:3.322
162. "First Order Reversal Curves diagrams applied for the ferroelectric systems", D. Ricinchi, A. Stancu, Liliana Mitoseriu, P. Postolache, M. Okuyama, J. OPT. ADV. MAT. 6, no.2, 623-627 (2004)
163. "Magnetoelectric coupling in the multiferroic PbFe₂/3W₁/3O₃ -PbTiO₃ system", Liliana Mitoseriu, D. Marré, A.S. Siri, A. Stancu, C.E. Fedor, P. Nanni, J. OPT. ADV. MAT. 6, no. 2, 723-728 (2004), Times Cited: 4, ISI:1.003
164. "First Order Reversal Curves and hysteresis loops of ferroelectric films described by phenomenological models", M. Fecioru-Morariu, D. Ricinchi, P. Postolache, C.E. Ciomaga, A. Stancu, Liliana Mitoseriu, J. OPT. ADV. MAT. 6, no.3, 1059-1063 (2004), Times Cited: 4, ISI:1.003, Times Cited: 3, ISI:1.003
165. "Evolution of the nanopolar order in (1-x)PbFe₂/3W₁/3O₃-PbTiO₃ relaxor investigated by Raman and dielectric study", Liliana Mitoseriu, C.E. Ciomaga and A. Stancu, J. OPT. ADV. MAT. 6, no.3, 1085-1088 (2004), Times Cited: 1, ISI:1.003
166. "Raman investigation of the composition and temperature-induced phase transition in (1-x)Pb(Fe₂W₁)O₃-xPbTiO₃ ceramics", Liliana Mitoseriu, M.M. Carnasciali, P. Piaggio, P. Nanni, J. APPL. PHYS. 96, 4378-4385 (2004), Times Cited: 23, ISI: 1.116
167. "Calculations of R(T) and (V) characteristics of the n-doped BaTiO₃ ceramics with PTCR properties", Liliana Mitoseriu, M. Viviani, M.T. Buscaglia, V. Buscaglia, A. Testino, P. Nanni, KEY. ENG. MATER. 264-268, 1253-1256 (2004), Times Cited: 0, ISI:0.284
168. "Nanostructured barium titanate ceramics", V. Buscaglia, M. Viviani, M.T. Buscaglia, P. Nanni, Liliana Mitoseriu, A. Testino, E. Stytsenko, M. Daglish, Z. Zhao, M. Nygren, POWDER TECHNOLOGY 148, 24-27 (2004), Times Cited: 32, ISI:0.986
169. "New analysis of the switching characteristics of PZT films by First Order Reversal Curve Diagrams", D. Ricinchi, Liliana Mitoseriu, A. Stancu, P. Postolache, M. Okuyama, INTEGRATED FERROELECTRICS, 67, 103 (2004)

2003

170. A Landau-theory-based computational study of in-plane and out-of plane polarization components role in switching of ferroelectric thin films", D. Ricinchi, M. Noda, M. Okuyama, Y. Ishibashi, M. Iwata, Liliana Mitoseriu, J. KOR. PHYS. SOC. 42, S1232-S1236 (2003), Times Cited: 5, ISI:1.293
171. A double depletion layer model for the PTCR effect in n-doped BaTiO₃ ceramics described by the Landau-Devonshire theory", Liliana Mitoseriu, A. S. Siri, D. Ricinchi, M. Okuyama and P. Nanni, J. KOR. PHYS. SOC. 42, S1088-S1092 (2003), Times Cited: 0, ISI:1.293
172. Analysis of the composition-induced transition from relaxor to ferroelectric state in Pb(Fe₂/3W₁/3)O₃ - PbTiO₃ solid solutions, Liliana Mitoseriu, A. Stancu, C. Fedor and P.M. Vilarinho, J. APPL. PHYS. 94, 1918-1825 (2003), Times Cited: 1, ISI:0.996
173. Analysis of the dielectric constant data of relaxors within a Landau-type theory", Liliana Mitoseriu, A. Stancu, C.E. Fedor, J. Opt. Adv. Mat. 5, 787-790 (2003)
174. Ferroelectric-semiconductive properties of BaTiO₃-based PTCR ceramics", Liliana Mitoseriu, C.E. Fedor, M. Viviani, M.T. Buscaglia, V. Buscaglia, A. Testino, P. Nanni, J. OPT. ADV. MAT. 5, 763-768 (2003), Times Cited: 3, ISI:0.996
175. First Order Reversal Curves diagram for the characterization of ferroelectric switching", A. Stancu, D. Ricinchi, Liliana Mitoseriu, P. Postolache, M. Okuyama, APPL. PHYS. LETT. 83, 3767-3669 (2003), Times Cited: 48, ISI:4.049
176. Magnetic properties of PbFe₂W₁O₃ - PbTiO₃ relaxor-ferroelectric solid solutions", Liliana Mitoseriu, D. Marré, A.S. Siri, P. Nanni, APPL. PHYS. LETT. 83, 5509-5511 (2003), Times Cited: 27, ISI:4.049

2002

177. Morphotropic phase boundary in Pb(Fe₂W₁)O₃ - PbTiO₃ system, P. M. Vilarinho, L. Zhou, Liliana Mitoseriu, E. Finocchio, M.R. Soares, J.L. Baptista, Ferroelectrics 270, 233-258 (2002), Times Cited: 0, ISI:0.408
178. Structural study of Pb(Fe₂W₁)O₃ - PbTiO₃ system, Liliana Mitoseriu, P.M. Vilarinho, M. Viviani and J.L. Baptista, MATER. LETT. 57, 609-614 (2002), Times Cited: 21, ISI:0.892
179. Phase coexistence in Pb(Fe₂/3W₁/3)O₃ - PbTiO₃ solid solutions, Liliana Mitoseriu, P.M. Vilarinho, J.L. Baptista, App. Phys. Lett. 80, 4422-4424 (2002), Times Cited: 35, ISI:4.207
180. Properties of PbFe₂W₁O₃-PbTiO₃ system in the range of morphotropic phase boundary, Liliana Mitoseriu, P.M. Vilarinho, J.L. Baptista, JPN. J. APPL. PHYS. 41, Part I, No. 11B, 7015-7120 (2002), Times Cited: 12, ISI:1.28
181. Simulation of PTCR behaviour in n-doped BaTiO₃ ceramics, Liliana Mitoseriu, M. Viviani, D. Ricinchi, C. Fedor, P. Nanni, JPN. J. APPL. PHYS. 41, Part I, No. 11B, 7189-7194 (2002), Times Cited: 4, ISI: 1.28
182. Evidence of the relaxor-paraelectric phase transition in Pb(Fe₂W₁)O₃ ceramics, Liliana Mitoseriu, M. Camasciali, P. Piaggio, P. Nanni, APPL. PHYS. LETT. 81, 5006-5008 (2002), Times Cited: 16, ISI:4.207
183. Electrical properties of er-doped BaTiO₃ ceramics for PTCR applications, Viviani, M; Buscaglia, MT; Buscaglia, V; L. Mitoseriu et al. Edited by: White, G; Tsurumi, T Conference: 13th IEEE International Symposium on Applications of Ferroelectrics Location: NARA, JAPAN Date: MAY 28-JUN 01, 2002 Sponsor(s): IEEE ISAF 2002: PROCEEDINGS OF THE 13TH IEEE INTERNATIONAL SYMPOSIUM ON APPLICATIONS OF FERROELECTRICS Pages: 103-106 Published: 2002
184. Ni-P/SiC composite coatings obtained by chemical methods, Mitoseriu, L. Mitoseriu, O, SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS Volume: 10 Issue: 1 Pages: 51-54 Published: 2002, Times Cited: 2 ISI: 0.083

2001

185. Aging Effects in Pure and Doped Barium Titanate Ceramics, Liliana Mitoseriu, V. Tura, M. Curteanu, D. Popovici, A. P. Anghel, IEEE TRANS. DIEL. AND ELECTR. INS. 8, 500-506 (2001), Times Cited: 5, ISI:0.778

2000

186. Grain size dependence of the Rayleigh coefficients of BT ceramics, Liliana Mitoseriu, V. Tura, D. Ricinchi, C. Hamagea, FERROELECTRICS 240, 51-58 (2000), Times Cited: 0, ISI:0.547
187. Ferroelectricity in (Hf, Zr)-doped BT ceramics, V. Tura, Liliana Mitoseriu, C. Hamagea, D. Ricinchi, FERROELECTRICS 239, 265-272 (2000), Times Cited: 0, ISI:0.547
188. Ageing of low field dielectric constant and losses in (Hf, Zr)-doped BaTiO₃ ceramics, V. Tura, Liliana Mitoseriu, EUROPHYS. LETT., 50(6), 810-815

(2000), Times Cited: 11, ISI:2.228

1999

189. A comparative study of the grain-size effects on ferro-para phase transition in barium titanate ceramics, Liliana Mitoseriu, V. Tura, C. Papusoi, T. Osaka and M. Okuyama, FERROELECTRICS 223, 99-106 (1999), Times Cited: 4, ISI:0.533
190. Ferroelectric properties of Nylon-6 films, Liliana Mitoseriu, V. Tura, D. Ricinschi, M. Okuyama, M. L. Craus, J. KOR. PHYS. SOC. 35, S1364-1366 (1999), Times Cited: 0, ISI:0.526
191. Landau theory-based analysis of grain-size dependence of ferroelectric-to-paraelectric phase transition and its thermal hysteresis in BT ceramics, D. Ricinschi, V. Tura, Liliana Mitoseriu, M. Okuyama, J. PHYS. COND. MATTER 11, 1601-1613 (1999), Times Cited: 13, ISI:1.639
192. Theoretical Analysis of Fatigue in PZT Ceramics on the Basis of Landau Theory, D. Ricinschi, Al. I. Lerescu, Liliana Mitoseriu, V. Tura and M. Okuyama, J. KOR. PHYS. SOC. 35, S1313-1317 (1999), Times Cited: 5, ISI:0.526

1998

193. Investigation of grain size influence on the ferroelectric-to-paraelectric phase transition in BaTiO₃ ceramics by means of AC calorimetry, V. Tura, Liliana Mitoseriu, C. Papusoi, T. Osaka, M. Okuyama, JPN. J. APPL. PHYS., Vol. 37, No. 4A, 1950-1954 (1998), Times Cited: 9, ISI:1.275
194. Ferroelectric-to-Paraelectric Phase Transition in Barium Titanate Ceramics Investigated by Pyrocharge Measurements, V. Tura, Liliana Mitoseriu, C. Păpușoi, T. Osaka, M. Okuyama, J. ELECTROCERAM. 2 (3), 163-169 (1998), Times Cited: 8, ISI:1.1
195. Analysis of ferroelectric switching in finite media as a Landau type phase transition, D. Ricinschi, C. Harnagea, C. Papusoi, Liliana Mitoseriu, V. Tura, M. Okuyama, J. PHYS. COND. MATTER 10(2), 477-492 (1998), Times Cited: 59, ISI:1.645

1997

196. Simulation of switching properties of ferroelectrics on the basis of dipole lattice model, V. Tura, D. Ricinschi, Liliana Mitoseriu, C. Harnagea, S. Ando, T. Tsukamoto, M. Okuyama, JPN. J. APPL. PHYS. 36, No. 4A, 2183-2191(1997), Times Cited: 13, ISI:1.261

1996

197. Thermal dependences of the switching properties of Barium Titanate ceramics, Liliana Mitoseriu, V. Tura, C. Papusoi, D. Ricinschi, C. Harnagea, MATER. LETT. 29, 25-29 (1996), Times Cited: 7
198. Grain size dependence of switching properties of ferroelectric BaTiO₃ ceramics, Liliana Mitoseriu, D. Ricinschi, C. Harnagea, M. Okuyama, T. Tsukamoto, V. Tura, JPN. J. APPL. PHYS. 35, No. 9B, 5210-5216 (1996), Times Cited: 23
199. Temperature dependence of polarization reversal in (Nb,Co)-doped BaTiO₃ ceramics, V. Tura, C. Păpușoi, Liliana Mitoseriu, FERROELECTRICS 182, 1-9 (1996), Times Cited: 7
200. Spectral analysis of switching currents in doped Barium Titanate ceramics and nonlinear compensation, Liliana Mitoseriu, C. Păpușoi, V. Tura, Ferroelectrics 182, 149-166 (1996), Times Cited: 0

1994

201. Polarization reversal in (Nb, Co)-doped BaTiO₃ ceramics, V. Tura, Liliana Mitoseriu, PHYS. LETT. A 189, 327-330, 1994, Times Cited: 4, ISI:-
202. Switching currents in (Nb,Co)-Doped BaTiO₃ ceramics in the presence of a sinusoidal electric field, Liliana Mitoseriu, V. Tura, Al. Stancu, PHYS. LETT. A 196, 272-280 (1994), Times Cited: 15

1993

203. Dielectric properties and thermal hysteresis of sodium nitrite pressed powders, Liliana Mitoseriu, V. Tura, MATER. LETT. 18, 156-158, (1993), Times Cited: 0

Annex II. Books and book chapters

1. "Lucrari de laborator de electricitate si magnetism", C. Papusoi, Al. Stancu, L. Mitoseriu, Ed. BIT, Iasi, 1996, ISBN 973-97908-4-4, 140 pages (In Romanian)
2. "Fizica mediilor polarizabile", L. Mitoseriu, V. Tura, Ed. Univ. "Al. I. Cuza" Iasi, 1998, 170 pages (in Romanian)
3. "Fizica dielectricilor", L. Mitoseriu, V. Tura, Ed. Univ. "Al. I. Cuza" Iasi, 1999, ISBN 973-9312-50-0, 311 pages (in Romanian)
4. "Electricitate si magnetism", L. Mitoseriu, V. Tura, Ed. Univ. "Al. I. Cuza" Iasi, 2000, 360 pages (in Romanian)
5. "Electricitate și Magnetism", L. Mitoseriu, Vasile Tura, CIDD-CP/IDESC Publishing Center, Iasi, 2000, 152 p., ISSN 1221-9363.
6. "New developments in advanced functional ceramics", Research Signpost 37/661 (2), Fort P.O., Trivandrum-695 023, Kerala, India (nov. 2006), L. Mitoseriu: Editor, ISBN: 81-7895-248-3 and author of chapters:
 - cap. 2. "Ferroelectric-relaxor crossover in PbFe_{2/3}W_{1/3}O₃ – PbTiO₃ solid solutions", L. Mitoseriu, A. Ianculescu, p. 19-60
 - cap. 12 "Multiferroic BiFeO₃: functional properties and possible mechanisms for high polarization", L. Mitoseriu, A. Ianculescu, D. Ricinschi, p. 317-338
 - cap. 5, "BaTiO₃ nanopowders and nanocrystalline ceramics: II. Ceramics", L. Mitoseriu, V. Buscaglia, M.T. Buscaglia, M. Viviani, P. Nanni, p. 119-144
7. "CERAMICI AVANSATE CU APLICATII IN MICROELECTRONICA: Sisteme micro- si nanostructurate pe baza de titanat de bariu", A. Ianculescu, L. Mitoseriu, Ed. Politehnica Press, 2007, ISBN 978-973-7838-37-7, 205 pag (in Romanian)
8. "Ba(Ti,Zr)O₃ – Functional materials: from nanopowders to bulk ceramics", A. Ianculescu, L. Mitoseriu, in: Advances in Nanotechnology, Vol. 3, 2010, Nova Science Publ. ISBN: 978-1-61668-161-6
9. "Nanoscale Ferroelectrics and Multiferroics Key Processing and Characterization Issues, and Nanoscale Effects", Edited by Miguel Alguero, J. Marty Gregg, Liliana Mitoseriu, Ed. Wiley, Publ. ISBN 978-1-118-93575-0, Vol I-II, 2016 and author of chapters:
 - Chapter 15 "Nanostructured Barium Titanate Ceramics: Intrinsic versus Extrinsic Size Effects", L. Mitoseriu, L.P. Curecheriu, pp. 473-511
 - Chapter 18 "Local Field Engineering Approach for Tuning Dielectric and Ferroelectric Properties in Nanostructured Ferroelectrics and Composites", L. Padurariu, L. Mitoseriu, pp. 588-616.
10. C.E. Ciomaga and Liliana Mitoseriu, **Chapter 21 Ferroelectric Perovskite-Spinel Ferrite Ceramics**, (26 pag.) in *Magnetic, Ferroelectric, and Multiferroic Metal Oxides* (Eds. B. Stojanovic, G. Korotcenkov), Elsevier, ISBN 978-0-12-811180-2 (2017).

11. C. Hutanu, V.A. Lukacs, L. Mitoseriu, Chapter "Electroceramics: Modelling of sintering, microstructure evolution and functional properties, in Encyclopedia of Materials: Technical Ceramics and Glasses", Elsevier (eds. M. J. Pomeroy, F. Cambier, C. Galassi, S. Hampshire, A. Leriche), 2020 (in press)

Annex III. Invited lectures and talks (conferences, workshops and visiting professor lectures)

1. "Double Barrier Schottky theory for PTCR effect in n-doped BaTiO₃ ceramics", L. Mitoseriu, M. Viviani, A.S. Siri, P. Nanni, COST 525 European Concerted Action on Advanced Electroceramics: Grain Boundary Engineering – Dielectrics and Semiconductors Working Group Meeting, Genoa, Italy, May 11-14, 2002 (invited talk)
2. "Tailoring of perovskite-like oxides powders: effects on microstructure and properties", M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, P. Nanni, A. Testino, M. Viviani, Taller latino-americano de Materiales Ferroelectricos – La Habana, Cuba 24-26 June 2002 (invited talk)
3. "Tailoring of perovskite-like oxides powders throughout a continuous precipitation process", M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, P. Nanni, A. Testino, M. Viviani, Synthesis and Methodologies in Inorganic Chemistry, Trends in Nanoscience, Bressanone, Italy 8-11 Dec. 2002 (invited talk)
4. "High density nanocrystalline BaTiO₃: preparation and characterisation", M.T. Buscaglia, V. Buscaglia, C. Hamagea, L. Mitoseriu, P. Nanni, A. Testino, and M. Viviani, Electrocerámica VI – Castellón (Spain), June 19th-21st, 2003 (invited talk)
5. "BaTiO₃: from nanopowders to dense nanocrystalline ceramics", M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, P. Nanni, A. Testino, M. Viviani, Indianapolis IN, USA, 106th Annual Meeting and Exposition to The American Ceramic Society, 18 - 21 April 2004 (invited talk)
6. "Grain size and grain boundary dependent phenomena in BaTiO₃ ceramics", L. Mitoseriu, 3rd Brasil-MRS Meeting SBPMat, Foz do Iguacu, Oct. 10-13 2004 (invited talk)
7. "Preparation of high-density nanocrystalline BaTiO₃ ceramics sintered from tailored nanopowders", P. Nanni, A. Testino, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, M. Viviani and R.V. Calderone, 3rd Brasil-MRS Meeting SBPMat, Foz do Iguacu, Oct. 10-13 2004 (invited talk)
8. "Preparation, characterisation and applications of nanocrystalline BaTiO₃ ceramics", P. Nanni, A. Testino, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, M. Viviani and R.V. Calderone, Jornadas de Ciencia Aplicada a la Industria Cerámica – Universitat Jaume I, Castellón (Spain), July 4th-6th, 2005 (invited talk)
9. "Grain size and grain boundary phenomena in BaTiO₃ dense nanocrystalline ceramics: towards the superparaelectric state", V. Buscaglia, M.T. Buscaglia, M. Viviani, L. Mitoseriu, A. Testino, P. Nanni, Z. Zhao, M. Nygren, 11th International Meeting on Ferroelectricity IMF11, Sept. 5-9, 2005, Foz do Iguacu, Argentina / Brazil (invited talk)
10. "Magnetoelectric phenomena in single phase and composite systems", L. Mitoseriu, IEEE Magnetic Society Chapter of the Romania Section IEEE-ROMSC, 24-26 Oct. 2005, Iasi, Romania (opening lecture)
11. "Preparation of perovskites nanopowders and sintering to dense nanocrystalline ceramics", P. Nanni, M.T. Buscaglia, V. Buscaglia and L. Mitoseriu, 21th Electrochemical Society Meeting - Nanostructured Metal Oxides: Processing and Applications, Cancun (Mexico), October 29th - November 3rd, 2006 (invited lecture)
12. Preparation and characterisation of nanocrystalline BaTiO₃ and SrTiO₃ ceramics obtained from tailored nanopowders", P. Nanni, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu and M. Viviani, IV Congreso Peruano de Ciencia y Tecnología de Materiales, Lima (Perú), November 12th – 15th, 2006 (invited talk)
13. "Core-Shell Composite Particles: A Versatile Approach to the Synthesis of Dielectric and Ferroelectric Materials", V. Buscaglia, M.T. Buscaglia, M. Viviani, L. Mitoseriu, R. Alessio, P. Nanni, ACERS 2007, Symposium on Advanced Dielectric, Piezoelectric and Ferroelectric Materials, Cocoa Beach, Jan 2007 (Invited talk)
14. "Tailoring of perovskite oxides nanopowders: particles size and morphology control to produce nanocrystalline dense ceramics", M.T. Buscaglia, V. Buscaglia, M. Viviani, L. Mitoseriu and P. Nanni, IEEE Magnetic Society Chapter of the Romania Section IEEE-ROMSC, May 2007 Iasi, Romania (invited talk)
15. "Tailoring of perovskite oxide nanopowders and sintering to nanocrystalline dense ceramics", P. Nanni, M.T. Buscaglia, R.V. Calderone, V. Buscaglia, L. Mitoseriu and M. Viviani, 6th International Congress in Materials Science & Engineering Iasi (Romania), May 24th-27th, 2007 (invited lecture)
16. "Ferroelectric-magnetic composites: intrinsic and extrinsic interplay contributions to the functional properties", L. Mitoseriu, 10th International Conference and Exhibition of the European Ceramic Society, June 17 - 21, 2007, Berlin (invited talk)
17. "Synthesis and Tailoring of Perovskite Oxides by a Precipitation Reaction: from Particles Size and Morphology Control to Nanocrystalline Dense Ceramics", P. Nanni, M. Buscaglia, V. Buscaglia, L. Mitoseriu, M. Viviani, 10th International Conference and Exhibition of the European Ceramic Society, June 17 - 21, 2007, Berlin (invited talk)
18. "Perovskite-like oxides: sintering of pure and core-shell tailored nanosized powders to dense nanocrystalline ceramics", M.T. Buscaglia, V. Buscaglia, M. Viviani L. Mitoseriu and P. Nanni, 11th European Meeting on Ferroelectricity-EMF, Bled (Slovenia) September 2nd – 7th 2007, (invited lecture)
19. "Tailoring of perovskite oxides nanopowders: particles size and morphology control to produce nanocrystalline dense ceramics", M.T. Buscaglia, V. Buscaglia, M. Viviani L. Mitoseriu and P. Nanni, International Conference on Advanced Materials and Composites, Trivandrum (India) October 24-26th, 2007 (invited lecture)
20. "Tailoring of perovskite oxides nanopowders: particles size and morphology control to obtain nanocrystalline dense ceramics", P. Nanni, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, 32nd International Cocoa Beach Conference & Exposition on Advanced Ceramics and Composites Daytona Beach (USA) January 27th – February 1st, 2008 (invited lecture)
21. "First order reversal curves diagrams for describing ferroelectric switching characteristics: anisotropic porosity-related bias and grain size effects", L. Mitoseriu, L. Stoleriu, A. Stancu, C. Galassi, V. Buscaglia, COST 539 WORKSHOP - FABRICATION, PROPERTIES & APPLICATIONS OF ELECTROCERAMIC NANOSTRUCTURES, Genoa, June 26th-28th, 2008 (invited lecture)
22. "First-order reversal curves diagrams for describing ferroelectric switching characteristics", L. Mitoseriu, L. Stoleriu, A. Stancu, C. Galassi, V. Buscaglia, 2nd International Congress on Ceramics ICC2 Verona, Italy 29 June-4th July, 2008 (invited lecture)
23. "In-situ preparation of multiferroic magnetoelectric nanocomposites", L. Mitoseriu, L.P. Curecheriu, F. Prihor, V. Buscaglia, P. Nanni, FARPHYS 2008, Iasi (invited lecture)
24. "In-situ preparation of multiferroic composite with core-shell structures", L. P. Curecheriu, M.T. Buscaglia, V. Buscaglia, A. Ianculescu, P. Postolache, L. Mitoseriu, P. Nanni, 6th Workshop "Advanced Functional Characterization of Nanostructured Materials", 24 - 25 February, 2009, Madrid, Spain
25. "Intrinsic - extrinsic interplay contributions to the functional properties of magnetoelectric composites", Liliana Mitoseriu, The First Workshop: "Nanostructured ceramics and nanocomposites – Challenges and perspectives", The Second Training School "Characterization of nanostructured materials", Novi Sad December 2009 (invited lecture)

26. "Preparation of core-shell perovskite structure with restricted geometries by soft chemistry methods", M.T. Buscaglia, V. Buscaglia, A. Bassano, L.P. Curecheriu, L. Mitoseriu, P. Nanni, The First Workshop: "Nanostructured ceramics and nanocomposites – Challenges and perspectives", The Second Training School "Characterization of nanostructured materials", Novi Sad December 2009 (invited lecture)
27. "Grain Size Effect on the Nonlinear Dielectric Properties of Barium Titanate Ceramics", L. Curecheriu, M.T. Buscaglia, V. Buscaglia, Z. Zhao and L. Mitoseriu, invited (5A-11, Session 5A Integrated ferroelectrics: thin films, nanosized architectures, size effects), 12th European Meeting on Ferroelectricity June 26th – July 1st 2011, Bordeaux, France
28. "New functional properties driven by nanoscale interface reactions in magnetoelectric ceramics produced from core-shell Fe₂O₃@BaTiO₃ powders, L. Curecheriu, M.T. Buscaglia, V. Buscaglia, P. Postolache, A. Stancu, L. Mitoseriu, E-MRS 2011 FALL MEETING, Sept. 2011, Warsaw University of Technology, (invited lecture: Symposium A)
29. "Ferroelectric-magnetic composites with emergent electromagnetic properties", L. Mitoseriu, IEEE-ROMSC Iasi, 17th - 18th October 2011 (invited)
30. "Size and interface effects in nanostructured dense ferroelectric ceramics", Liliana Mitoseriu, "The Ninth Students' Meeting, SM-2011" and "The Second ESR Workshop, COST MP0904", November 16-18, 2011, Novi Sad, Serbia (invited lecture).
31. "Study of multiphase materials with ferroelectric and magnetic order", Liliana Mitoseriu and V. Buscaglia, EUROMAT Conference, Sevilla, Spain, 8-13.09.2013 (invited lecture)
32. Magnetoelectric composites: advanced synthesis methods, intrinsic vs. extrinsic properties and modeling, Liliana Mitoseriu, Training School SIMUFER COST Action MP0904 Ljubljana, Slovenia, 23-30.01.2013 (invited lecture)
33. "Nanocomposite multifunctional oxides: tailoring properties by nanostructuring and local field engineering", Liliana Mitoseriu, PIM 2013 Conference "Processes in isotopes and molecules", Cluj Napoca, Romania, 25-27 Sept. 2013 (invited lecture)
34. "Local field engineering for tailoring electrical properties in ferroelectric-based composites", L. Padurariu, L. Curecheriu and Liliana Mitoseriu, The 8th International Conference on Advanced Materials ROCAM 2015, Bucharest, Romania (invited lecture)
35. "Local field engineering for tailoring electrical properties in ferroelectric-metallic particles composites", L. Padurariu, L. Curecheriu, C. Ciomaga, M. Airimioaei, I. Turcan, A. Lukacs & Liliana Mitoseriu, Electroceramics XVI (Symposium C Theory and Modelling), Hasselt, Belgium, July 2018 (invited lecture).
36. Ferroelectric-Based Composite Ceramics: Design by Local Field Engineering and Tailoring the Functional Properties by Microstructure Control, Liliana Mitoseriu, Service de Physique de l'Etat Condensé, Université Paris Saclay, France, 9 oct 2013 (university invited visiting professor)
37. Material design in single phase and composite electroceramics: grain size vs. grain boundary effects on the macroscopic properties, Liliana Mitoseriu, Unité de Catalyse et de Chimie du Solide, University of Artois, Lens, France, 16-23.04.2018 (invited visiting professor)

Annex IV. Director or coordinator of grants:

1. Grant Nr. 7011, 7/1443: "Experimental study and modelling of dielectric properties of ferroelectric ceramics", (1997-1998): Director
3. Grant Nr. 15/48/70, "Study of switching properties in BaTiO₃ ceramic and interpretation in the frame of Landau dipole theory", (1998-1999): Director
4. Grant Nr. 175, "Study of the dielectric properties of (Hf, Zr)-BaTiO₃ and study of the electric properties", (1999-2000): Director
6. Grant A: "Study of ferroelectric polarization under low fields (Rayleigh region)", (2000-2001): Director
7. Grant A code 624: "Study of nanocrystalline and nanopolar ceramics", (2004-2006): Director
8. Grant MATNANTECH "Multifunctional nanostructured films with tunable properties - DEFAZOR", (2004-2006): Coordinator of the UAIC group (director: dr. R. Pițescu)
9. Grant CEEX-FEROCER "Integrated developing of concepts and technologies for preparation, characterization, modeling and applications of nanostructured ferroelectric ceramics", (2006-2008): Coordinator of the UAIC group (director prof. dr. A. Ianculescu)
10. Grant AC-CONSMEMF "Multidisciplinary consortium for investigating multiferroic systems with magnetoelectric coupling", (2006-2008): Director
13. Grant POSDRU/89/1.5/S/49944 (2010-2013) "Dezvoltarea capacității de inovare și creșterea impactului cercetării prin programe post-doctorale": Scientific responsible
14. Grant POSDRU/89/1.5/S/63663 "Rețea transnațională de management integrat al cercetării postdoctorale în domeniul Comunicarea Științei. Construcție instituțională (Scoală post-doctorală) și program de burse (CommScie)", (2010-2013): Asistent manager.
15. Grant CNCS-UEFISCDI PN-II-ID-PCE-2011-3-0745 "Material design, preparation, properties and modeling of multifunctional oxides structures for microelectronics and new energy storage applications", (2011-2016): Director.
16. Bi-lateral project Romania-Slovenia, "Dielectric spectroscopy and tunability of low-temperature processed complex perovskites (acronym DISTUNAB)" (2012-2013): Director.
17. Bi-lateral project Romania-Italia, „Investigarea unor noi sisteme BaO-TiO-FeO multiferroic: de la design de material la aplicații magnetoelectrice" (MULTIFER) (2013-2014): Director.
18. Grant CNCS-PNII-PCCE-2011-2-0006 "Effect of interfaces on charge transport in ferroic/multiferroic heterostructures" (2012-2016): Coordinator of the UAIC group (director dr. Lucian Pintilie).
19. Grant PN-II-PT-PCCA-2013-4-1119 "Compozite magnetoelectrice cu proprietăți emergente pentru aplicații în comunicații fără fir și senzori" (MECOMAP) (2014-2017): Director.
20. Grant PN-III-P4-ID-PCE-2016-0817 "Fundamental research of scale-dependent phenomena in barium titanate based ferroelectrics: critical grain and nanostructuring effect" (FerroScale), (2017-2019): Director
21. Bi-lateral project Romania-France Study and multiscale modeling of new ferroelectric oxides (NOVOXFER), CNC-UEFISCDI PN-III-P3-3.1-PM-RO-FR-2019-00692019-2020 (2019-2020): Director
22. Grant PN-III-P4-ID-PCCF-2016-0175 "Nanostructuri particulare de tip multistrat cu constanta dielectrică ridicată cu aplicații pentru stocarea energiei și dispozitive nanoelectronice" (HighKDevice), (2018-2022): Coordinator of the UAIC group (director conf. dr. A. Rotaru)

Member in other grants:

- PCCE ID_76 (Dir. Proiect. Dr. C. Teodorescu) "Știința suprafețelor și interfețelor: fizică, chimie, biologie, aplicații (NANOMATGIANT)" (2010-2013).
- European Project FP7-SCIENCE-IN-SOCIETY 2011-1 (Dir. Proiect. Prof. dr. D. Balahur) "Structural Transformation to Achieve Gender Equality in Science" (STAGES) (2012-2015).
- PN-II-RU-TE-2012-3-150 (Dir. proiect dr. Lavinia Curecheriu) "Investigation of the mesoscopic polar order and size effects in driving polarization mechanisms of tunability in perovskites (IMPOTUN)" (2013-2016).

- PNII-RU-TE-2014-4-1494 (Dir. proiect dr. Leontin Padurariu) " Exploiting porosity in ferroelectric materials by local field engineering towards improved functional properties", CNCS – UEF ISCDI project PN-II-RU-TE-2014, no. 257 / 2015 (2015-2017).

Annex V. International cooperations:

1. Group of prof. P. Nanni, Univ. of Genoa, Faculty of Engineering, DICheP, Genova, Italy and IENI-CNR Genova (dr. V. Buscaglia, dr. M. Viviani, dr. M.T. Buscaglia) – Nanostructured BaTiO₃ ceramics, Multiferroics, Functional composites with core-shell structures (multiple bi-lateral agreements) starting with 2001
2. Group of prof. M. Okuyama (dr. Dan Ricinschi, drd. D. Popovici) Osaka University, Graduate School of Engineering Science, Osaka, Japan – Modeling of ferroelectric properties in BaTiO₃ ceramics and films of Pb(Zr,Ti)O₃ on the basis of Landau-Ginzburg-Devonshire theories: 1995-2005 (collaboration, exchange of students)
3. Group of Prof. A.S. Siri, Physics Department, University of Genova & LAMIA-INFN, Italy – Lead-free relaxors, magnetic properties of multiferroic materials, magnetoelectric phenomena: 2004-2005
4. Group from Univ. of Aveiro, Department of Ceramic and Glass Engineering, Portugal (prof. P.M. Vilarinho and prof. P.Q. Mantas) – Properties of lead-based relaxor materials: 2000-2001
5. Dr. Catalin Harnagea, Univ. of Quebec, Canada (AFM/PFM analysis, starting with 2005)
6. Group from Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic (dr. Jan Petzelt, dr. Stanislav Kamba) – Characterisation of ferroelectrics by vibrational spectroscopy, grain size and grain boundary effects in BaTiO₃ nanocrystalline ceramics
7. Group of dr. Carmen Galassi, ISTE-CNR Faenza, Italy – Properties of porous ceramics: FORC and Preisach modeling; piezoelectric-magnetic composites (bi-lateral agreement starting with 2005, exchange of students)
8. Dr. Marco Deluca, Univ. Leoben, Austria (scientific collaboration - Raman analysis of oxide ferroelectrics - starting with 2004)
9. Group of prof. Maria Kosec and prof. Barbara Malic, Jožef Stefan Institute, Ljubljana (scientific collaboration and bi-lateral agreement starting with 2011)
10. Group of prof. Juras Banys, University of Vilnius, Lithuania (scientific collaboration, Erasmus exchanges of students)
11. Group of prof. Vladimir Srdic, University of Novi Sad, Serbia (scientific and PhD students exchanges)
12. Group of dr. Isabelle Lisiecki, Sorbonne Univ. CNRS Paris, France (scientific collaboration - HRTEM analysis of nanostructures, exchange of students)
13. Group of dr. Marie Hélène Chambrier, UCCS Univ. d'Artois, Faculté des Sciences Jean Perrin - Lens France (scientific collaboration and bi-lateral agreement starting with 2018)
14. Group of prof. Jacob Jones, North Carolina State University, USA (scientific collaboration - structural analysis of ferroelectrics: in-situ XRD, synchrotron diffraction – starting with 2017; visit of PhD student)
15. ERASMUS Agreement Univ. "Al.I. Cuza" Iasi, Romania - Univ. Genova, Italia (2005-2012) and with IENI-CNR (now ICMATE-CNR) Genoa: exchange of 16 students (undergraduate, Master, PhD, post-docs)
16. ERASMUS Agreement Univ. "Al.I. Cuza" Iasi, Romania – Institut ISTE-CNR, Faenza, Italia (2013-2014): exchange of 2 PhD students
17. ERASMUS Agreement Univ. "Al.I. Cuza" Iasi, Romania – Université François Rabelais Tours, France (2014-2015: dr. Beatrice Negulescu): exchange of students

Annex VI. Patents

1. Author(s): L.P. Curecheriu, A.C. Ianculescu, L. Mitoseriu, F. Tufescu, F.M. Tufescu,
Title: BST ceramic material, method for measuring tunability and BST ceramic device for measuring high voltage by galvanic separation,
Patent No: RO125528-A2; RO125566-A0
2. Author(s): A. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu,
Title: Metoda de masurare a tunibilitatii pentru materialele ceramice
Brevet Nr. A/00168/6.05.2009
3. Author(s): A. Ianculescu, G. Voicu, D. C. Berger, L. Mitoseriu, F. Prihor
Title: Procedeu de preparare a solutiilor solide de tip BiFeO₃-BaTiO₃ de înaltă puritate si produs ceramic cu proprietati dielectrice si feromagnetice optime obtinute prin acesta/ PROCESS FOR PREPARING HIGH PURITY SOLID SOLUTIONS OF THE TYPE BiFeO₃-BaTiO₃ AND CERAMIC PRODUCT WITH OPTIMAL DIELECTRIC AND FERROMAGNETIC PROPERTIES PRODUCED THEREBY, Patent Number: RO123236-B1, Patent Assignee: UNIV POLITEHNICA DIN BUCURESTI
Brevet OSIM, Nr. 123236/30.03.2011
4. Author(s): A.C. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu,
Title: Method for measuring tunability of ceramic materials, involves using circuit having high voltage source controlled by function generator and applying high voltage to assay-sample through protection resistor,
Brevet Nr: RO125567-A0
5. Author(s): L. Mitoseriu, V. Pascariu, C.E. Ciomaga,
Title: Compozite feroelectric-rasină epoxidică cu gradient compozițional pentru adaptare de impedanță în domeniul 2 - 4 GHz,
Nr. OSIM: A/00855, 17.03.2014
6. Author(s): Mihai Valentin Pop, Liliana Mitoseriu
Title: Interfață de tensiune înaltă pentru măsurarea proprietăților electrice ale materialelor dielectrice si feroelectrice
Nr. OSIM: A/00861, 04.03.2014
7. Author(s): C. E. Ciomaga, M. Airimioaei, L. Mitoseriu, N. Lupu
Title: Compozit magnetoelectric ceramic obținut prin procedeu de preparare in situ, cu proprietăți feromagnetice, magnetostrictive și permitivități de ordinul sutelor
Nr. OSIM: A/00314 2017, RO-BOPI 11/2018
8. Author(s): F. M. Tufescu, L. Mitoseriu, C. E. Ciomaga, N. Lupu, M. V. Pop, F. Tufescu
Title: Senzor de câmp magnetic variabil cu structură magnetoelectrică stratificată din ceramică Pb(Zr,Ti)O₃ și microbenzi din Fe₇₈Si₉B₁₃,
Nr. OSIM: A/00422 2017, RO-BOPI 12/2018.

Annex VII. Awards

1. Awards of Romanian Academy „Stefan Procopiu” for „Contribuții la investigarea complexa experimental teoretică a sistemelor ferroelectrice și multiferice unifazice și compozite” (2013)
2. Women's annual science and technology Excellence Award 2012 from "Al. I. Cuza" Univ. of Iasi (2013).

Others: Co-Organiser and participation to other international events:

- COST MP 5th Annual Progress Conference, Tartu, Estonia, 11-15 Sept. 2011
- First Early Stage Researchers Meeting of COST Action SIMUFER Hasselt University, Belgium, 18-24.03.2011
- First COST MP0904 Training School "Nanostructured oxides: from laboratory research to industrial applications" & POSDRU 63663 Training Modules, IENI-CNR Genova & University of Genova, Italy, 9-21.03.2012
- The third COST MP0904 Working Group Workshop, University of Vilnius, Lithuania, 20-24.04.2012
- Conference ISAF-ECAPD-PFM 2012, Aveiro, Portugal, 7-15.07.2012
- ELECTROCERAMICS XIII Twente, Holland, 23-28.06.2012
- COST MP 6th Annual Progress Conference Dublin, Ireland, 13-15.09.2012
- COST MPNS EEP Meeting conference, Bruxelles, Belgium, 25.02-1.03.2013
- Workshop on optical and electrical properties of nanomagnets, Institute Poincaré, Univ. Pierre et Marie Curie (Paris VI), 20-24.10.2013
- International Meeting on Ferroelectricity IMF Krakow, Poland, 1-6.09.2013
- COST MP 7th Annual Progress Conference Reykjavik, Island, 11-15.09.2013

13.06.2020