

INFORMAȚII PERSONALE

Leontin Pădurariu



- **Lector universitar la Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași,**
- **Membru al grupului de cercetare în fizica Dielectricilor, Feroelectricilor și Multiferoicilor**

📍 Str. Vasile Lupu, nr. 103, Bl. F, Sc. B, Ap. 14
 📞 0743085489

✉ leontin.padurariu@uaic.ro
leontin.padurariu@gmail.com

💬 (Yahoo) leopadurariu@yahoo.com

Sexul Masculin | Data nașterii 28/08/1987 | Naționalitatea Română

EXPERIENȚA PROFESIONALĂ

Februarie 2020 - prezent

Lector universitar

Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, Bulevardul Carol I, nr. 11, Romania

- Principalele activități didactice:
 - Cursuri și laboratoare: Prelucrarea datelor fizice și metode numerice, Programarea sistemelor de calcul.
 - Seminarii: Fizică generală, Fizică moleculară și căldură, Electricitate și magnetism.

Educație și cercetare științifică

Februarie 2017 – Februarie 2020

Asistent universitar

Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, Bulevardul Carol I, nr. 11, Romania

- Principalele activități didactice:
 - Cursuri și laboratoare: Programarea sistemelor de calcul, Proiectarea Algoritmilor.
 - Seminarii: Fizică generală, Fizică moleculară și căldură, Electricitate și magnetism.
 - Laboratoare: Prelucrarea datelor fizice și metode numerice, Arhitectura calculatoarelor, Electricitate și magnetism, Fizica mediilor polarizabile, Metode de caracterizare a structurii corpului solid, Practică de laborator/specialitate, Fizică generală (Facultatea de Chimie).

Educație și cercetare științifică

Septembrie 2010 - prezent

Cercetător științific / Asistent de cercetare

Membru în 14 proiecte de cercetare (**Anexa 1**) finanțate de *Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării* (UEFISCDI), implementate la Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, Bulevardul Carol I, nr. 11, România

- Principalele activități:
 - Modelarea proprietăților funcționale ale materialelor dielectrice, feroelectrice și multiferoice prin metode de tip element finit și Monte Carlo
 - Realizarea de măsurători dielectrice și feroelectrice.

Cercetare științifică

EDUCAȚIE ȘI FORMARE

Martie 2019 – Martie 2021

Studii postdoctorale

- Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, Bulevardul Carol I, nr. 11, România
- Activități: dezvoltarea unor proceduri dinamice bazate pe metoda elementului finit pentru descrierea proprietăților dielectrice complexe ale unor sisteme compozite
 - Principalele cursuri urmate: cursuri antreprenoriale
 - Media de finalizare a studiilor: 10

Octombrie 2011 – Sept. 2014

Doctorat în fizică

- Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, Bulevardul Carol I, nr. 11, România
- Titlul tezei de doctorat: **Numerical Models for Describing Dielectric and Ferroelectric Properties in Composite Systems**
 - Coordonator: Prof. Dr. Liliana Mitoșeriu
 - Calificativ: Excelent (*Summa Cum Laude*)
 - Premiul pentru cea mai bună teză de doctorat în fizică acordat de Univ. Al. I. Cuza în 2014

2009-2011

Master în fizică

- Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, Bulevardul Carol I, nr. 11, România
- Principalele cursuri: Fizica dielectricilor, Metoda elementului finit, Metode de tip Monte Carlo
 - Media examenului de disertație: 10

2006-2009

Licență în fizică

- Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, Bulevardul Carol I, nr. 11, România
- Specializare: Fizică-Informatică
 - Media examenului de licență: 9.87

2002-2006

Studii liceale / Atestat în informatică

- Colegiul Național "Ștefan cel Mare", Suceava
- Specializare: Matematică-informatică
 - Olimpic Național la Fizică

COMPETENȚE PERSONALE

Limba maternă

Română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C1	C2	C1	C2	C2

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
[Cadru european comun de referință pentru limbi străine](#)

Competențe de comunicare și abilități sociale

- Bune competențe de comunicare dobândite prin experiența didactică și în urma susținerii unui număr de peste 25 de prezentări orale/invitate la conferințe internaționale. (**Anexa 2**)
- Bună comunicare și capacitate de lucru în echipă, onestitate, angajament și responsabilitate, adaptabilitate și flexibilitate la programul și ritmul de lucru al grupului, capacitate de asimilare rapidă de noi informații și abilități de autoperfecționare.

Competențe organizaționale/manageriale

- **Experiență în managementul proiectelor și al echipelor: Director în 3 proiecte de cercetare finanțate de UEFISCDI a căror buget total depășește 250000 Euro.** În cadrul acestor proiecte a fost coordonată o echipă formată din 8 membri ai Universității Alexandru Ioan Cuza din Iași și s-a contribuit la realizarea unui număr de trei teze de doctorat la Facultatea de Fizică.

- Membru organizator/secretar în cadrul următoarelor evenimente științifice:
 - Conferința internațională Electroceramics XIV, organizatori Institutul Național pentru Fizica Materialelor, Măgurele, Universitatea Alexandru Ioan Cuza din Iași, desfășurată în București, Romania, 16-20 Iunie 2014;
 - Joint Conference COST MP0904 Action „Single-and multiphase ferroics and multiferroics with restricted geometries” & IEEE-ROMSC 2012, 24-26 Septembrie 2012, Universitatea Alexandru Ioan Cuza din Iași, România.
- Capacități de analiză, de evaluare și autoevaluare a activității științifice, de luare de decizii sub stres și de respectare a termenului limită.

Competențe dobândite la locul de muncă

- Interes pentru realizarea cu preponderență a articolelor combinate modelare-experiment cu scopul de a produce un impact mai mare în comunitatea științifică.
- Interes pentru publicarea de articole științifice în reviste cotate Q1 sau chiar Top 1, în detrimentul publicării unui număr mare de articole în reviste cotate mai slab.
- Preocupare pentru crearea de posturi de cercetare (în cadrul proiectelor depuse ca director) pentru tinerii masteranzi.

Competențe digitale

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator independent	Utilizator experimentat

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat
 Competențele digitale - Grilă de auto-evaluare

- Cunoștințe de C/C++, OriginLab, Maple, MATLAB, LabView, AutoCAD.

Competențe și aptitudini tehnice

- Excelente competențe și abilități tehnice obținute prin munca de laborator efectuată în cadrul grupului de cercetare al materialelor Dielectrice, Feroelectrice și Multiferoice.
- Cunoștințe avansate legate de Metoda Elementului Finit și Metoda Monte Carlo cu aplicații în modelarea proprietăților funcționale ale materialelor feroelectrice în relație cu caracteristicile lor microstructurale.
- Competențe și abilități de utilizare a echipamentului de laborator și a programelor aferente acestora (analizor de impedanță 1260A SOLARTRON-soft ZPLOT, analizor de impedanță de tip Agilent E4991ARF AGILENT, Radiant Multiferoic IITester, Piezotest PiezoMeter PM300).

PROIECTE CÂȘTIGATE CA INVESTIGATOR PRINCIPAL

- | | |
|------------------------|---|
| Oct. 2020 – Oct. 2022 | <p><i>A new material design paradigm in electroceramics: Charged defects engineering</i></p> <ul style="list-style-type: none"> ▪ Proiect finanțat de UEFISCDI, cod: PN-III-P1-1.1-TE-2019-1929 ▪ Buget: 431900 lei (~89200 Eur.) |
| Oct. 2019 – Iun. 2021 | <p><i>Modelarea proprietăților dielectrice complexe ale sistemelor compozite</i></p> <ul style="list-style-type: none"> ▪ Bursă postdoctorală finanțată de Univ. Al. I. Cuza în cadrul proiectului POCU/380/6/13/123623 ▪ Buget: 7200 Eur. |
| Oct. 2018 – Dec. 2020 | <p><i>Monte Carlo modeling of domain structures and switching properties in ferroelectric ceramics</i></p> <ul style="list-style-type: none"> ▪ Proiect finanțat de UEFISCDI, cod: PN-III-P1-1.1-PD-2016-1069 ▪ Buget: 243800 lei (~52300 Eur.) |
| Dec. 2015 – Mart. 2017 | <p><i>Modelarea proprietăților de comutare în memorii feroelectrice</i></p> <ul style="list-style-type: none"> ▪ Grant intern finanțat de Univ. Al. I. Cuza, cod: GI-2015-05 ▪ Buget: 20000 lei (~4500 Eur.) |

- Oct. 2015 – Oct. 2017 *Exploiting porosity in ferroelectric materials by local field engineering towards improved functional properties*
- Proiect finanțat de **UEFISCDI**, cod: PN-II-RU-TE-2014-4-1494
 - Buget: 550000 lei (~125000 Eur.)
- Ian. 2014 – Sept. 2014 *Modelarea proprietăților dielectrice neliniare ale materialelor compozite feroelectrice*
- Bursă doctorală finanțată de **Univ. Al. I. Cuza** în cadrul proiectului POSDRU/159/1.5/S/137750
 - Buget: 4000 Eur.

REZULTATE ALE ACTIVITĂȚII DE CERCETARE

Publicații

- **26** de articole ISI (**Anexa 3**):
 - **14** au fost publicate ca autor principal
 - **8** au fost publicate ca prim autor
 - **22** sunt cotate Q1, **3** sunt cotate Q2, iar unul este cotate Q3
 - Suma factorilor de impact (IF): **82.862**
 - Suma scorurilor de influență (AIS): **18.571**
 - Numărul de citări atrase (fără autocitări): **298** (**Anexa 4**)
- Un capitol de carte publicat în *John Wiley & Sons Ltd.*
- Un articol publicat într-o revistă internațională

Punctaje individuale

- IF individual: **15.86**
- AIS individual: **3.94**
- Factor Hirsch: **13**
- Coeficienți CNATDCU (așa cum au fost definiți de Ministerul Educației pentru domeniul fizică și publicații la adresa [anexa ordin 6.129_2016 standarde minime 0.pdf \(edu.ro\)](#))
 - A=3.165
 - I=4.228
 - P=11.358
 - C=60.325
 - H=13
 - T=16.578

Notă: În România, punctajele minime necesare pentru susținerea tezei de abilitare în fizică (echivalent Prof. Univ. și CSI) sunt: A>2, I>4, P>4, C>40. H>10 și T>12

Participări la conferințe internaționale

- 8 prezentări invitate (3 ca autor prezentator)
- Peste 40 de prezentări orale (24 ca autor prezentator)
- Peste 35 de prezentări poster (detalii în **Anexa 2**)

Alte realizări notabile

- **Diplomă de Excelență** oferită de Univ. Al. I. Cuza pentru rezultate deosebite obținute în activitatea de cercetare științifică pe parcursul anului 2020.
- **Trei premii internaționale** obținute în perioada programului de doctorat pentru cele mai bune prezentări orale/poster la diferite conferințe internaționale.
- **Premiul de excelență** oferit de centrul CARPATH în decembrie 2012.
- **Trei articole publicate** ca autor principal în jurnale cotate **Top 1** (primele în domeniile lor pe platforma Web of Science), conform definiției UEFISCDI publicată în competițiile pentru premiarea articolelor: unul în *Acta Materialia* și două în *Journal of the European Ceramic Society*.
- **Membru într-un proiect italian** (<http://www.icmate.cnr.it/progetti/polycom/index-en.html>), finanțat de Banca San Paolo (între anii 2016 - 2018), dedicat studiului materialelor compozite polimer-feroelectrice. – colaborare cu grupul coordonat de Dr. Vincenzo Buscaglia, ICMATE, Genova.
- **Membru în patru proiecte europene de tip COST** (European Cooperation in Science & Technology) între anii 2011-2012: COST MP0904, COST IC1208, COST MP1308 și COST CA20126.
- **Două stagii de cercetare** în domeniul modelării proprietăților materialelor compozite pe bază de feroelectrice (în 2011 la Institute of Condensed Matter Chemistry and Technologies for Energy, Genova, Italia; și în 2014 la Universitatea din Aveiro, Portugalia)

- **Cel mai tânăr câștigător al unui proiect** de cercetare într-o competiție lansată de UEFISCDI în 2014, dedicată formării de tinere echipe (TE) independente, în care au existat 2933 de aplicații. Proiectul are titlul "Exploatarea porozității în materiale feroelectrice prin controlul câmpului local pentru îmbunătățirea proprietăților funcționale", a fost câștigat în domeniul Fizică și a fost evaluat după implementare cu calificativul A+. **În cadrul acestui proiect a fost dezvoltat conceptul original *local field engineering* pentru proiectarea computațională a unor materiale compozite dielectrice cu proprietăți noi.**
- **Cel mai mare punctaj (98.4 din max. 100)** din 898 de aplicații în toate domeniile și, din nou, **unul dintre cei mai tineri câștigători** la ultima competiție de tip TE lansată de UEFISCDI în anul 2019. Proiectul are titlul "O nouă paradigmă în proiectarea materialelor electroceramice: controlul defectelor de sarcină" și a fost câștigat în domeniul Științe ingineresti. **În acest proiect se propune un nou concept, *charged defects engineering*, care va fi o generalizare a conceptului *local field engineering* pentru compozite semiconductoare.**

ANEXE

- Anexa 1 – Lista proiectelor de cercetare
- Anexa 2 – Lista participărilor la conferințe internaționale
- Anexa 3 – Lista publicațiilor internaționale
- Anexa 4 – Lista citărilor în jumale indexate ISI

Participări ca membru/director în proiecte naționale de cercetare

Nr.	Proiect	Funcția	Buget (lei)	Nr. Membri
1	PN II –RU TE 187 - Investigarea efectelor de volum, interfață și de percolație în materialele compozite multifuncționale cu geometrie controlată și metamateriale (IMECOMP), 2010-2013, director: CSII. Dr. Cristina Elena Ciomaga	Asistent Cercetare	502.543	4
2	PN-II-ID-PCE-2011-3-0745 -Design de material, preparare, proprietăți și modelare de structuri multifuncționale oxidice pentru microelectronica și noi aplicații în stocare de energie (MULTIFOX), 2011-2016, director: Prof. Dr. Liliana Mitoșeriu	Asistent Cercetare	1.500.000	7
3	Proiect bilateral România-Italia Searching for new BaO-TiO-FeO multiferroics: from material design to magnetoelectric applications (MULTIFER), 2013-2014, director: Prof. Dr. Liliana Mitoșeriu	Asistent Cercetare	40.000	6
4	PNII-RU-TE-2012-3-0150, Investigation of the mesoscopic polar order and size effects in driving polarization mechanisms of tunability in perovskites (IMPOTUN), 2013-2015, director: Lect. Dr. Lavinia Curecheriu	Asistent Cercetare	645.833 - bugetul echipei din Iași	6 – doar echipa din Iași
5	PNII-PCCE-2-2011-0006- Efectul interfetelor asupra transportului de sarcina în heterostructuri feroice/multiferoice”, 2012-2016, director: CSI Dr. Lucian Pintilie	Asistent Cercetare	490.000	6
6	PN-II-PT-PCCA-2013-4-1119 Magnetolectric composites with emergent properties for wireless and sensing applications (MECOMAP), 2014-2016, director: Prof. Dr. Liliana Mitoșeriu	Asistent Cercetare	431.250	12
7	PN-III-P4-ID-PCE-2016-0817 Cercetări fundamentale ale fenomenelor dependente de scală în feroelectrice pe baza de titanat de bariu: granulația critică și efectul nanostructurării (FerroScale), 2017-2020, director: Prof. Dr. Liliana Mitoșeriu	Cercetător Științific	775.700	7
8	PN-III-P4-ID-PCCF2016-0175 Nanostructuri particulare de tip multistrat cu constanta dielectrica ridicata cu aplicatii pentru stocarea energiei și dispozitive nanoelectronice (HIGHKDEVICE), 2018-2022, director: Conf. Dr. Aurelian Rotaru	Cercetător Științific	2.400.000 - bugetul echipei din Iași	8 – doar echipa din Iași
9	PN-III-P1-1.1-TE-2016-1951 Proprietăți dependente de scală în ceramicele piezoelectrice fără plumb (ProLEAF), 2018-2020, director: Lect. Dr. Lavinia Curecheriu	Cercetător Științific	450.000	4
10	PN-III-P1-1.1-TE-2019-1689 Exploring critical conditions as a new tool for enhancing electrocaloric properties of Ba-based lead free ceramics (CritEC), 2020-2022, director: Lect. Dr. Lavinia Curecheriu	Cercetător Științific	431.900	4
11	PN-III-P4-ID-PCE-2020-1988 Ingineria materialelor ceramice poroase fără plumb pentru obținerea de senzori piezo-, piroelectrice cu aplicații de colectare de energie, 2021-2023, director: CSI Dr. Cristina Ciomaga	Cercetător Științific	1.200.000	10
12	PNII-RU-TE-2014-4-1494 Exploatarea porozității în materiale feroelectrice prin controlul câmpului local pentru îmbunătățirea proprietăților funcționale (EXPOFER), 2015-2017	Director	550.000	8
13	PN-III-P1-1.1-PD-2016-1069 Modelarea Monte Carlo a structurilor de domenii și proprietăților de comutare în ceramici feroelectrice (MCCER), 2018-2020	Director	243.800	2
14	PN-III-P1-1.1-TE-2019-1929 O nouă paradigmă în proiectarea materialelor electroceramice: controlul defectelor de sarcină (ElectroChargEng), 2020-2022	Director	431.900	5

Participări la conferințe internaționale

1. C. E. Ciomaga, M. Airimioaei, L. Padurariu, L. Curecheriu and L. Mitoseriu, Ferroelectric perovskite based magnetoelectric ceramic composites: synthesis, functional properties and modeling, ASIAN ADVANCED MATERIALS CONGRESS, 31 oct – 4 november, Singapore 2019 (**invited presentation**)
2. L. Padurariu, L. Curecheriu, C. Ciomaga, M. Airimioaei, I. Turcan, A. Lukacs & Liliana Mitoseriu Local field engineering for tailoring electrical properties in ferroelectric-metallic particles composites", Electroceramics XVI (Symposium C Theory and Modelling), July 9-12, 2018, Hasselt, Belgium (**invited presentation**)
3. L. Padurariu, L. Mitoseriu, Local field engineering for tailoring electrical properties in ferroelectric-based composites, ECerS 15th Conference & Exhibition of European Ceramic Society, July 9-13, 2017, Budapest, Hungary (**invited presentation**)
4. L. Padurariu, L. Mitoseriu, Modeling of the nonlinear dielectric properties of paraelectric-dielectric composites by a 3D Finite Element Method based on Landau-Devonshire theory, Electroceramics XV, 27-29 June 2016, Limoges, France (**invited presentation**)
5. L. Padurariu, L. Curecheriu, C. Ciomaga, L. Mitoseriu, Tailoring properties in ferroelectric-based composites by local field engineering, 8th International Workshop on Amorphous and Nanostructured Magnetic Materials, 21-24 September 2015, Iasi (**invited presentation**)
6. L. Padurariu, L. Curecheriu, V. Buscaglia, C. Galassi, L. Mitoseriu, Local field engineering for tailoring electrical properties in ferroelectric-based composites, The 8th International Conference On Advanced Materials, ROCAM, 7-10 July 2015, Bucharest (**invited presentation**)
7. C. E. Ciomaga, L. Padurariu and L. Mitoseriu, Ferroelectric-ferrite/CNT ceramic composites: synthesis, functional properties and modeling, 3rd Conference of The Serbian Society for Ceramic Materials, June 15-17, 2015, Belgrade, Serbia (**invited presentation**)
8. P. M. Vilarinho, A. Castro, L. Padurariu, L. Mitoseriu, B. Rodriguez, P. Ferreira, Nanoporous ferroelectrics: modeling, synthesis and applications, 13th European Meeting on Ferroelectricity, 28 June-3 July 2015, Porto, Portugal (**invited presentation**)
9. L. Padurariu, N. Horchidan, M. Airimioaei, L. Curecheriu, C. Ciomaga, L. Mitoseriu, Room temperature phase superposition of barium titanate- based ceramics: modeling and experimental validation, Electroceramics XVII, 24-28 august, Darmstadt, Germania (online- **oral presentation**)
10. L.P. Curecheriu, M.T. Buscaglia, G. Canu, C.E. Ciomaga, L. Padurariu, V. Lukacs, V. Buscaglia, L. Mitoseriu, Scale-dependent properties in BaTiO₃- based ceramics, Electroceramics XVII, 24-28 august, Darmstadt, Germania (online- **oral presentation**)
11. L. Padurariu, C. Enachescu, L. Mitoseriu, Modeling of the Grain Size Effects in Nanostructured Ferroelectric Ceramics, lucrare prezentată la conferința Asian Advanced Materials Congress, organizată în Singapore în perioada 31 Octombrie - 4 Noiembrie 2019. (**oral presentation**)
12. L. Padurariu, C. Enachescu, L. Mitoseriu, Modeling of the Grain Size Effects in Nanostructured Ferroelectric Ceramics, lucrare prezentată la conferința Processes In Isotopes And Molecules organizată în Cluj-Napoca, Romania în perioada 25-27 Septembrie 2019 (**oral presentation**)
13. N. Horchidan, L. Padurariu, C. E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Tufescu and L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO₃ - based ceramics, ASIAN ADVANCED MATERIALS CONGRESS, 31 oct – 4 november, Singapore 2019 (**poster presentation**)
14. L. Curecheriu, M. T. Buscaglia, G. Canu, C. Ciomaga, L. Padurariu, V. Buscaglia, L. Mitoseriu, Scale-dependent properties in lead free piezoelectric ceramics, ASIAN ADVANCED MATERIALS CONGRESS, 31 oct – 4 november, Singapore 2019 (**oral presentation**)
15. L. Curecheriu, L. Padurariu, V. A. Lukacs, C. Ciomaga, G. Stoian, L. Mitoseriu, There is a critical size in BaTiO₃ slightly doped ceramics? ASIAN ADVANCED MATERIALS CONGRESS, 31 oct – 4 november, Singapore 2019 (**poster presentation**)
16. C. E. Ciomaga, M. Airimioaei, A. Guzu, F. Gheorghiu, G. Stoian, M. Grigoras, M. Asandulesa, L. Padurariu and L. Mitoseriu, Comparative study of the functional properties for mixed and trilayered BaTiO₃-based magnetoelectric composites, Joint IEEE ISAF/EMF/ICE/IWPM/PFM meeting 2019, July 14-19, Lausanne, Switzerland 2019 (**oral presentation**)
17. L. Curecheriu, M. T. Buscaglia, G. Canu, V. Buscaglia, L. Padurariu, C. E. Ciomaga and L. Mitoseriu, Size-dependent properties in Ba_{0.85}Ca_{0.15}Ti_{0.90}Zr_{0.10}O₃ -based ceramics, Joint IEEE ISAF/EMF/ICE/IWPM/PFM meeting 2019, July 14-19, Lausanne, Switzerland 2019 (**oral presentation**)
18. L. Curecheriu, M. T. Buscaglia, G. Canu, V. Buscaglia, L. Padurariu, C. E. Ciomaga and L. Mitoseriu, Size-dependent properties in Ba_{0.85}Ca_{0.15}Ti_{0.90}Zr_{0.10}O₃ -based ceramics, Joint IEEE ISAF/EMF/ICE/IWPM/PFM meeting 2019, July 14-19, Lausanne, Switzerland 2019 (**oral presentation**)
19. L. Padurariu, I. Turcan, V. A. Lukacs, A. Cernescu, L. Curecheriu, C. Ciomaga, G. Stoian N. Lupu and L. Mitoseriu, The role of composition on the dielectric and ferroelectric properties of Ag-BaTiO₃ composites: experiment and modeling, Joint IEEE ISAF/EMF/ICE/IWPM/PFM meeting 2019, July 14-19, Lausanne, Switzerland 2019 (**oral presentation**)
20. Cristina Elena Ciomaga, Lavinia Curecheriu, Leontin Padurariu, Maria Teresa Buscaglia, Vincenzo Buscaglia, Understanding the role of grain size on the structural and dielectric properties of BZT-BCT systems, , ICC7, Congresso Brasileiro de Ceramica, June 17-21, 2018, Foz do Iguacu, Brazil (**poster presentation**)
21. Lavinia Petronela Curecheriu, Maria Teresa Buscaglia, Giovanna Canu, Cristina Elena Ciomaga, Leontin Padurariu, Vincenzo Buscaglia, Liliana Mitoseriu, Role of grain size on the structural and functional properties of (Ba,Ca)(Zr,Ti)O₃ ceramics Electroceramics XVI - Hasselt, Belgium, 9-12th July 2018 (**oral presentation**)
22. Lavinia Petronela Curecheriu, Maria Teresa Buscaglia, Giovanna Canu, Cristina Elena Ciomaga, Leontin Padurariu, Vincenzo Buscaglia, Liliana Mitoseriu Grain size effect on the functional properties of BZT-BCT ceramics, CIEC 16 – Torino, Italy 9-11 Septembrie 2018 (**poster presentation**).
23. I. Turcan, V. A. Lukacs, L. Curecheriu, L. Padurariu, C. E. Ciomaga, L. Mitoseriu, Exploiting the critical grain size and silver inclusions for enhancing permittivity in BaTiO₃ ceramics, International Conference CIEC 16, Torino, Italy, 9-11 September 2018 (**oral presentation**)
24. Leontin Padurariu, Cristina Ciomaga, Lavinia Curecheriu, Liliana Mitoseriu, Modeling of the tunability properties and switching properties in ferroelectric ceramics with different grain sizes, ICC7, Congresso Brasileiro de Ceramics, June 17-21, 2018, Foz do Iguacu, Brazil (**oral presentation**)

25. L.P. Curecheriu, C. Padurariu, L. Padurariu, R. Stanculescu, C. Ciomaga and L. Mitoseriu, Effect of porosity on the dielectric and dc-tunability properties of BaTiO₃ ceramics, 11 th International Conference PROCESSES IN ISOTOPES AND MOLECULES, 27 - 29 September 2017, Cluj-Napoca, Romania (**oral presentation**)
26. L. Curecheriu, L. Padurariu, C. Ciomaga, R. Stanculescu, C. Padurariu, M. Airimioaei, L. Mitoseriu, Dielectric properties of porous ferroelectric structures: modeling and experimental verification, IEEE ROMSC 2017 14th edition, "Alexandru Ioan Cuza" University of Iasi, Romania, 26th of June 2017 Iasi, Romania (**oral presentation**)
27. L.P. Curecheriu, C. Padurariu, L. Padurariu, R. Stanculescu, N. Horchidan, C. Ciomaga, L. Mitoseriu, Effect of porosity on the dielectric, switching and DC-tunability properties of BaTiO₃ ceramics, ECeS 2017 15th Conference & Exhibition of European Ceramic Society July 9-13, 2017, Budapest, Hungary (**oral presentation**)
28. Chair of the Section "Electroceramics", ECeS 15th Conference & Exhibition of European Ceramic Society, July 9-13, 2017, Budapest
29. Chair of the section "Improper ferroelectricity and diluted magnetism", Electroceramics XV, Limoges, 27-29 June 2016
30. L. Padurariu, L. Curecheriu, R. Stanculescu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Modeling of the dielectric properties of porous ferroelectric structures, Joint 8th Management Committee Meeting (MCM8) Meetings of Working Groups WG1-WG4, 8-9 September 2016, Warsaw, Poland (**oral presentation**)
31. L. Padurariu, L. Mitoseriu, Modeling of the nonlinear dielectric properties of paraelectric-dielectric composites by a 3D Finite Element Method based on Landau-Devonshire theory, Joint ISAF/ECAPD/PEF conference, 21-25 August 2016, Darmstadt, Germany (**oral presentation**)
32. L.P. Curecheriu, C. Padurariu, L. Padurariu, L. Mitoseriu, Exploiting porosity for design tunable materials, ISAF/ECAPD/PEF conference, 21-25 August 2016, Darmstadt, Germany (**oral presentation**)
33. L. Padurariu, L. Mitoseriu, Modeling of cross-talk phenomena in ferroelectric nanocapacitor systems, Joint ISAF/ECAPD/PEF conference, 21-25 August 2016, Darmstadt, Germany (**poster presentation**)
34. L. Curecheriu, L. Padurariu, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, Effect of porosity on ferroelectric-relaxor crossover in BaTiO₃-based solid solutions, Electroceramics XV, 27-29 June 2016, Limoges, France (**oral presentation**)
35. L. Padurariu, L. Mitoseriu, Modeling of cross-talk phenomena in ferroelectric nanocapacitor systems, Electroceramics XV, 27-29 June 2016, Limoges, France (**poster presentation**)
36. L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Modeling the size effects in nanostructured ferroelectric ceramics, The 8th International Conference On Advanced Materials, ROCAM, 7-10 July 2015, Bucharest, (**oral presentation**)
37. C. E. Ciomaga, L. Padurariu, L.P. Curecheriu, I. Lisiecki, M. Deluca, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered ferroelectric ceramics for tailoring dielectric and tunability properties, The 8th International Conference On Advanced Materials, ROCAM, 7-10 July 2015, Bucharest (**oral presentation**)
38. R. Stanculescu, C.E. Ciomaga, L. Padurariu, N. Horchidan, C. Galassi, L. Mitoseriu, Study of the role of Graphite-derived porosity on the BT-based materials functional properties, 13th European Meeting on Ferroelectricity, 28 June-3 July 2015, Porto, Portugal (**oral presentation**)
39. N. Horchidan, L. Padurariu, L. Mitoseriu, FORC method - a complementary analysis for high field characterization for different ferroelectric systems, 13th European Meeting on Ferroelectricity, 28 June-3 July 2015, Porto, Portugal (poster)
40. L. Padurariu and L. Mitoseriu, Local field engineering for designing tunable materials, European Conference on Application of Polar Dielectrics 7-11 July 2014 - Vilnius, Lithuania (**oral presentation**)
41. L.P. Curecheriu, L. Padurariu, L. Mitoseriu, Nonlinear dependence of dielectric constant in polymerbased composite, European Conference on Application of Polar Dielectrics 7-11 July 2014 - Vilnius, Lithuania (**oral presentation**)
42. N. Horchidan, A. Ianculescu, H. Ursic, B. Malic, M. Deluca, L. Curecheriu, L. Padurariu, L. Mitoseriu, The influence of microstructure on functional properties of Ba(Sn_xTi_{1-x})O₃ ceramics, European Conference on Application of Polar Dielectrics 7-11 July 2014 - Vilnius, Lithuania (**poster presentation**)
43. L. Padurariu and L. Mitoseriu, Tunable composites materials designed by local field engineering, Electroceramics XIV, 16-20 June 2014, Bucharest, Romania (**oral presentation**)
44. L. Padurariu, L. Curecheriu, V. Buscaglia, Liliana Mitoseriu, Modeling the size effects on the dielectric properties in nanostructured ferroelectric ceramics, COST MP0904 Action Showcase, 17 June 2014, Bucharest, Romania (**oral presentation**)
45. L. Padurariu, L. Mitoseriu, Using Finite Element Method for Material Design: Tailoring Permittivity and Tunability of Ferroelectric Based Composites, COST IC1208 Workshop, 20th-21st March 2014, Santarem, Portugal (**oral presentation**)
46. L. Padurariu, C. Galassi, L. Mitoseriu, Modeling of the Dielectric Properties of Porous Ferroelectric Structures, Closing Conference COST MP0904 - SIMUFER, CNR-IENI, 30th January-1st February 2014, Genoa, Italy (**oral presentation**)
47. N. Horchidan, C. Galassi, C. Capiani, H. Ursic, B. Malic, M.V. Pop, L. Padurariu, L. Mitoseriu, Influence of Length Scale Degree and Sintering Method on Functional Properties of PZT Composites with Soft/Hard Counterparts, Closing Conference COST MP0904 - SIMUFER, CNR-IENI, 30th January-1st February 2014, Genoa, Italy (**poster presentation**)
48. C. Padurariu, L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu, Investigation of the Role of Interconnectivity on the Dielectric Properties of PZTN Porous Ceramics, Closing Conference COST MP0904 - SIMUFER, CNR-IENI, 30th January-1st February 2014, Genoa, Italy (**poster presentation**)
49. L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, FEM Models for Describing Size Effects on the Dielectric Properties in Nanostructured Ferroelectric Ceramics, Closing Conference COST MP0904 - SIMUFER, CNR-IENI, 30th January-1st February 2014, Genoa, Italy (**poster presentation**)
50. C.E. Ciomaga, L.P. Curecheriu, L. Padurariu, N. Lupu, I. Lisiecki, C. Galassi, L. Mitoseriu, Enhanced Ferroelectric Properties of Ferroelectric-CNTS Composite Ceramics, Closing Conference COST MP0904 - SIMUFER, CNR-IENI, 30th January-1st February 2014, Genoa, Italy (**poster presentation**)
51. A. Neagu, L. Padurariu, L. Curecheriu, L. Mitoseriu, Dielectric properties of polymer matrix nanocomposites, The Third Early Stage Researchers Workshop" COST MP0904 - SIMUFER, 6-9 November 2013, Novi Sad, Serbia (**oral presentation**)
52. L. Padurariu, C. Galassi, L. Mitoseriu, Investigation of the role of porosity on the switching properties of Nb-PZT ceramics: experiment and modeling, 10th Student Meeting, 6-9 November 2013, Novi Sad, Serbia (**oral presentation**)
53. L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Grain size effect on nonlinear properties in nanostructured ferroelectric ceramics: modeling and experimental validation, 13th International Meeting on Ferroelectricity, 2-6 september 2013, Kraków, Poland (**oral presentation**)
54. N. Horchidan, C. Galassi, M. V. Pop, L. Padurariu, H. Ursic, B. Malic, L. Mitoseriu, Influence of different degree of mixing on dielectric properties of hard/soft PZT composite materials, 13th International Meeting on Ferroelectricity, 2-6 september 2013, Kraków, Poland (**poster presentation**)

55. C. E. Ciomaga, L. Padurariu, L. P. Curecheriu, N. Lupu, C. Galassi, L. Mitoseriu, Electric and ferroelectric properties of ferroelectric-carbon nanotubes ceramic composites, 13th International Meeting on Ferroelectricity, 2-6 september 2013, Kraków, Poland (**poster presentation**)
56. L. Padurariu, L. Mitoseriu, Electrical properties of ferroelectric composites in terms of local field inhomogeneity, COST SIMUFER Action MPO904 Workshop, 2-3 september 2013, Kraków, Poland (**oral presentation**)
57. N. Horchidan, C. Galassi, M.V. Pop, L. Padurariu, M. Airimioaei, C. Capiani, L. Mitoseriu, Dielectric and Ferroelectric Properties of Hard/Soft composites ceramics, COST SIMUFER Action MPO904 Workshop, 2-3 september 2013, Kraków, Poland (**poster presentation**)
58. C. E. Ciomaga, M.V. Pop, L. Padurariu, M. Airimioaei, C. Galassi and L. Mitoseriu, Effect of composition on functional properties of ferroelectric-ferrite composite systems, Joint IEEE, UFFC, EFTF and PFM Symposia, 21—25 July 2013 , Prague, Czech Republic (**poster presentation**)
59. L. Padurariu, L. Mitoseriu, Electrical properties of ferroelectric composites described in terms of local field inhomogeneity, Joint IEEE, UFFC, EFTF and PFM Symposia, 21—25 July 2013 , Prague, Czech Republic (**poster presentation**)
60. L. Padurariu, M.V.Pop, C.Galassi, L.Mitoseriu, First Order Reversal Curve Modeling of porous ferroelectric systems, COST SIMUFER Action MPO904 Workshop Advances in Ferroelectrics and Multiferroics, Institute of Physics AS CR, 21 July 2013, Prague, Czech Republic (**oral presentation**)
61. L.P. Curecheriu, A. Cazacu, Al. Neagu, L. Padurariu and L. Mitoseriu, Tunable chitosan-based nanocomposite by local field engineering, COST SIMUFER Action MPO904 Workshop Advances in Ferroelectrics and Multiferroics, Institute of Physics AS CR, 21 July 2013, Prague, Czech Republic (**oral presentation**)
62. N. Horchidan, H. Ursic, B. Malic, A. Ianculescu, M. Deluca, M.V. Pop, L. Padurariu and L. Mitoseriu, Ferroelectric-relaxor crossover in Ba(SnxTi1-x)O3 ceramics: study of properties at different lengthscales, COST SIMUFER Action MPO904 Workshop Advances in Ferroelectrics and Multiferroics, Institute of Physics AS CR, 21 July 2013, Prague, Czech Republic (**poster presentation**)
63. L. Padurariu, L. Curecheriu, M. Pop, C. Galassi, V.Buscaglia and L. Mitoseriu, The role of the local electric field inhomogeneity on the electrical properties of ferroelectric composites, COST MP0904 Action „Recent advances in ferro/piezoelectric and multiferroic-based composites”, 22-23 April 2013, Faenza, Italy (**oral presentation**)
64. F. Gheorghiu, L. Padurariu, Mihai V. Pop, C. Ciomaga, C. Capiani, C. Galassi and L. Mitoseriu, The role of porosity on the ferroelectric properties of PZTN ceramics: experiment and modeling, COST MP0904 Action „Recent advances in ferro/piezoelectric and multiferroic-based composites”, 22-23 April 2013, Faenza, Italy (**poster presentation**)
65. L. Padurariu, M. Alexe, L. Mitoseriu, Simulation of cross-talk phenomena in ferroelectric nanocapacitor systems, Workshop on Nanoscale Phenomena in Ferroics and Multiferroics, 21st March 2013, Belfast, UK (**oral presentation**)
66. Lavinia Curecheriu, Leontin Padurariu, Vincenzo Buscaglia, Liliana Mitoseriu. Non-linear dielectric properties in ferroelectric oxides: material design, experiment and modelling, International Scientific Conference «10 YEARS OF NANOTECHNOLOGY DEVELOPMENT IN THE REPUBLIC OF MOLDOVA», October 22 – 23rd, 2012, Balti (**oral presentation**)
67. L. Padurariu, L. Curecheriu, V. Buscaglia and L. Mitoseriu, Modeling of the grain size effect on nonlinear dielectric properties in nanostructured ferroelectric ceramics, Joint Conference COST MP0904 Action "Single-and multiphase ferroics and multiferroics with restricted geometries" & the 9th Edition IEEE-ROMSC 2012, 24-26 September 2012, Iasi, Romania (**oral presentation**)
68. C.S. Olariu, L. Padurariu, C.E. Ciomaga, C. Galassi and L. Mitoseriu, Effective Medium Approximation and Finite Element Method for prediction of dielectric properties in composite materials, Joint Conference COST MP0904 Action "Single-and multiphase ferroics and multiferroics with restricted geometries" & the 9th Edition IEEE-ROMSC 2012, 24-26 September 2012, Iasi, Romania (**poster presentation**)
69. C.S. Olariu, L. Padurariu, C. Galassi and L. Mitoseriu, EMA and FEM modeling of dielectric properties of anisotropic PZT ceramics, 9th International Conference on Physics of Advanced Materials, 20-23 September 2012, Iasi, Romania, (**poster presentation**)
70. L. Padurariu, L.P. Curecheriu and L. Mitoseriu, Tailoring dc-tunability properties by local field engineering in ferroelectric structures, 9th International Conference on Physics of Advanced Materials, 20-23 September 2012, Iasi, Romania (**oral presentation**)
71. L. Padurariu, L. Curecheriu, L. Mitoseriu, V. Buscaglia, Modelling of the grain size effect on nonlinear properties in nanostructured ferroelectric ceramics, ISAF-ECAPD 9-13 July 2012, Aveiro, Portugal (**oral presentation**)
72. Lavinia-Petronela Curecheriu, Leontin Padurariu, Liliana Mitoseriu and Vincenzo Buscaglia, Tailoring dc-tunability properties of ferroelectric ceramics by reduction grain size at nanoscale, ISAF-ECAPD 9-13 July 2012, Aveiro, Portugal (**oral presentation**)
73. L. Padurariu, M. Alexe, L. Mitoseriu, Simulation of cross-talk phenomena in ferroelectric nanocapacitor systems, ISAF-ECAPD 9-13 July 2012, Aveiro, Portugal (**poster presentation**)
74. L.P. Curecheriu, A.M. Neagu, G. Apachitei, M.T. Buscaglia, G. Canu, L. Padurariu, M. Pop, L. Mitoseriu, V. Buscaglia , New magnetoelectric materials: Ba12Fe28Ti15O84 intergrowth layered ferrite, ISAF-ECAPD 9-13 July 2012, Aveiro, Portugal (**poster presentation**)
75. C. E. Ciomaga, C. S. Olariu, L. Padurariu, C. Galassi and L. Mitoseriu „Study of microwave electromagnetic properties in xNiFe2O4-(1-x)PZT magnetoelectric composites”, ISAF-ECAPD 9-13 July 2012, Aveiro, Portugal (**poster presentation**)
76. Liliana Mitoseriu, Lavinia Curecheriu, Leontin Padurariu, Catalin Harnagea and Vincenzo Buscaglia, New insights on grain size and interface effects in nanostructured ferroelectric ceramics, Electroceramics XIII, 24-27 June, 2012, Twente, Holland (**oral presentation**)
77. L.P. Curecheriu, L. Padurariu, L. Mitoseriu and V. Buscaglia, A new approach for tailoring tunability and permittivity values by using grain size reduction at nanoscale, Electroceramics XIII, 24-27 June, Twente, Holland (**oral presentation**)
78. L. Padurariu, L. Curecheriu, L. Mitoseriu and C. Galassi Anisotropy effects on the dc-tunability characteristics of porous ferroelectric ceramics, Electroceramics XIII, 24-27 June, Twente, Holland (**poster presentation**)
79. L.P. Curecheriu, I.V. Ciuchi, A.M. Neagu, G. Apachitei, L. Padurariu, M.T. Buscaglia, G. Canu, C.Harnagea, L. Mitoseriu, V. Buscaglia, Searching for new multiferroics: Ba12Fe28Ti15O84 intergrowth layered ferrite, Electroceramics XIII, 24-27 June, Twente, Holland (**poster presentation**)
80. C. E. Ciomaga, L. Padurariu, C.S. Olariu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites. Experiment and Modeling, 23 April 2012, Vilnius, Lithuania (**poster presentation**)
81. L. Padurariu, M. Alexe and L. Mitoseriu, Simulation of Cross-Talk Phenomena in Ferroelectric Nanocapacitor Systems, The Third COST MP0904 Workshop, 23 April 2012, Vilnius, Lithuania (**poster presentation**)

82. L. Curecheriu, L. Padurariu, L. Mitoseriu, M.T. Buscaglia, V. Buscaglia and P. Nanni, Grain size and interface effects in nanostructured ferroelectric ceramics, The Third COST MP0904 Workshop, 23 April 2012 Vilnius, Lithuania (**poster presentation**)
83. L. Padurariu, L. Curecheriu, V. Buscaglia and L. Mitoseriu, Permittivity vs. Field dependence in nanostructured ferroelectric ceramics: the role of grain size, COST MP0904 Action Training School, 12-13 March 2012, Genova, Italy (**poster presentation**)
84. L. Padurariu, L. Curecheriu, C. Enachescu and L. Mitoseriu, Ferroelectric-relaxor crossover of BaTiO₃-based solid solutions and grain size effect in BaTiO₃ described by Monte Carlo simulations, 2nd ERS Meeting of the COST MP0904 Action, 16-18 November 2011, Novi Sad, Serbia (**oral presentation**)
85. L. Padurariu, C. Enachescu, L. Mitoseriu, Monte Carlo simulation for describing the ferroelectric-relaxor crossover and local polarisation in BaTiO₃- based solid solutions, IEEE-ROMSC, 16 October 2011, Iasi, Romania (**poster presentation**)
86. L. Padurariu, C. Enachescu, L. Mitoseriu, Monte Carlo simulation for describing the ferroelectric-relaxor crossover and local polarisation in BaTiO₃- based solid solutions, Amorphous and Nanostructured Magnetic Materials, 5-7 September 2011, INCDFT, Iași (**poster presentation**)
87. C.S. Olariu, L. Padurariu and L. Mitoseriu, Simulation of percolation process in ceramic composites, Amorphous and Nanostructured Magnetic Materials, 5-7 September 2011, INCDFT, Iași (**poster presentation**)
88. L. Padurariu, C. Enachescu, L. Mitoseriu, Ferroelectric-Relaxor Crossover and Local Polarization Properties of BaTiO₃-based Solid Solutions Described by Monte Carlo Simulations, COST, 30 June-1 July 2011, Bordeaux, France (**poster presentation**)
89. L. Padurariu, C. Ciomaga, L. Mitoseriu, Ferroelectric-relaxor crossover described by Monte Carlo simulations, Advances to the Applied Physics and Materials Science Congress, APAMS, 12-15 May 2011, Antalya, Turkey (**poster presentation**)
90. L. Padurariu, C. Enachescu, L. Mitoseriu, Monte Carlo simulation for describing the ferroelectric-relaxor crossover, ERS Meeting of the COST MP0904 Action, 21-23 Martie 2011, Hasselt, Belgium (**oral presentation**)
91. L. Padurariu, C. Ciomaga and L. Mitoseriu, Monte Carlo simulation for describing the ferroelectric-relaxor crossover, Syntheses and Methodologies in Inorganic Chemistry SAMIC 2010, 28.11.2010-2.12.2010, Bressanone, Italy (**poster presentation**)
92. L. Padurariu, L. Mitoseriu, Monte Carlo simulations for describing dielectric relaxation and thickness effects in films, Joint WGs Workshop of the COST MP0904 Action, Edinburgh, August, 12th, 2010 (**poster presentation**)
93. L. Padurariu, L. Mitoseriu, Monte Carlo Simulations for Describing Dielectric Properties of Ferroelectric Relaxors, Joint MmdE- IEEE ROMSC Iași 2010 (**poster presentation**)

Lista de publicații

Nr.	Publicație	Tip publicație	Factor de impact	Scor de influență	Autor principal?
1	V.A. Lukacs, M. Airimioaei, <u>L. Padurariu</u> , L.P. Curecheriu, C.E. Ciomaga, A. Bencan, G. Drazic, M. Avakian, J.L. Jones, G. Stoian, M. Deluca, R. Brunner, A. Rotaru, L. Mitoseriu, Phase coexistence and grain size effects on the functional properties of BaTiO ₃ ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 42, 2230-2247 (2022) DOI: 10.1016/j.jeurceramsoc.2021.12.024	Articol ISI	5.302 (Q1)	0.808	Nu
2	<u>L. Padurariu</u> , L.P. Curecheriu, C.E. Ciomaga, M. Airimioaei, N. Horchidan, C. Cioclea, V.A. Lukacs, R.S. Stirbu, L. Mitoseriu, Modifications of structural, dielectric and ferroelectric properties induced by porosity in BaTiO ₃ ceramics with phase coexistence, JOURNAL OF ALLOYS AND COMPOUNDS, 889, 161699 (2021) DOI: 10.1016/j.jallcom.2021.161699	Articol ISI	5.316 (Q1)	0.716	Da. Primul autor
3	V.A. Lukacs, G. Caruntu, O. Condurache, C.E. Ciomaga, L.P. Curecheriu, <u>L. Padurariu</u> , M. Ignat, M. Airimioaei, G. Stoian, A. Rotaru, L. Mitoseriu, Preparation and properties of porous BaTiO ₃ nanostructured ceramics produced from cuboidal nanocrystals, CERAMICS INTERNATIONAL, 47, 18105-18115 (2021) DOI: 10.1016/j.ceramint.2021.03.128	Articol ISI	4.527 (Q1)	0.545	Nu
4	<u>L. Padurariu</u> , V.A. Lukacs, G. Stoian, N. Lupu, L.P. Curecheriu, Scale-Dependent Dielectric Properties in BaZr _{0.05} Ti _{0.95} O ₃ Ceramics, MATERIALS, 13, 4386 (2020) DOI: 10.3390/ma13194386	Articol ISI	3.623 (Q1)	0.595	Da. Primul autor
5	L. Curecheriu, V.A. Lukacs, <u>L. Padurariu</u> , G. Stoian, C.E. Ciomaga, Effect of Porosity on Functional Properties of Lead-Free Piezoelectric BaZr _{0.15} Ti _{0.85} O ₃ Porous Ceramics, MATERIALS, 13, 3324 (2020) DOI: 10.3390/ma13153324	Articol ISI	3.623 (Q1)	0.595	Nu
6	V.A. Lukacs, I. Turcan, <u>L. Padurariu</u> , L. Curecheriu, A. Cernescu, G. Stoian, C.E. Ciomaga, F. Tufescu, N. Lupu, L. Mitoseriu, Nonlinear dielectric properties of BaTiO ₃ - Silver composites: The role of microstructure, JOURNAL OF ALLOYS AND COMPOUNDS, 817, 153336 (2020) DOI: 10.1016/j.jallcom.2019.153336	Articol ISI	5.316 (Q1)	0.716	Nu
7	N. Horchidan, <u>L. Padurariu</u> , C.E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Doroftei, F. Tufescu, L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO ₃ - based ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 1258-1268 (2020) DOI: 10.1016/j.jeurceramsoc.2019.11.088	Articol ISI	5.302 (Q1)	0.808	Da. Autorul corespondent
8	A. Guzu, C.E. Ciomaga, M. Airimioaei, <u>L. Padurariu</u> , L.P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, JOURNAL OF ALLOYS AND COMPOUNDS, 796, 55-64 (2019) DOI: 10.1016/j.jallcom.2019.05.068	Articol ISI	4.175 (Q1)	0.629	Nu
9	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airimioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018) DOI: 10.1016/j.jeurceramsoc.2018.08.002	Articol ISI	4.029 (Top 1)	0.707	Da. Autorul corespondent
10	<u>L. Padurariu</u> , L. Mitoseriu, Modeling of cross-talk phenomena in thin film ferroelectric nanocapacitor arrays by finite element method combined with Monte Carlo calculations, JOURNAL OF APPLIED PHYSICS, 122, 144106 (2017) DOI: 10.1063/1.5007059	Articol ISI	2.176 (Q2)	0.561	Da. Primul autor și autorul corespondent
11	R.E. Stanculescu, N. Horchidan, C. Galassi, M. Asandulesa, L. Padurariu, C.E. Ciomaga, L. Mioseriu, Porous (Ba,Sr)TiO ₃ ceramics for tailoring dielectric and tunability properties: Modelling and experiment, PROCESSING AND APPLICATION OF CERAMICS, 11, 235-246 (2017) DOI: 10.2298/PAC1704235S	Articol ISI	1.152 (Q2)	0.190	Da. Autorul corespondent
12	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017) DOI: 10.1016/j.ceramint.2017.01.123	Articol ISI	3.057 (Q1)	0.454	Da. Autorul corespondent
13	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017) DOI: 10.1111/jace.14587	Articol ISI	2.956 (Q1)	0.643	Da. Prim autor și autor corespondent
14	<u>L. Padurariu</u> , L. Mitoseriu, Comment on "The Impact of Composite Effect on Dielectric Constant and Tunability in Ferroelectric-Dielectric System", JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 99, 3816-3817 (2016) DOI: 10.1111/jace.14421	Articol ISI	2.841 (Q1)	0.663	Da. Primul autor și autorul corespondent
15	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016) DOI: 10.1016/j.actamat.2015.11.008	Articol ISI	5.301 (Top 1)	1.667	Da. Primul autor și autorul corespondent
16	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	Articol ISI	3.014 (Q1)	0.558	Da. Autor corespondent

	DOI: 10.1016/j.jallcom.2015.03.252				
17	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014) DOI: 10.1063/1.4900527	Articol ISI	2.183 (Q1)	0.682	Nu
18	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserrri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 114, 214101 (2013) DOI: 10.1063/1.4837616	Articol ISI	2.185 (Q1)	0.724	Nu
19	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, APPLIED PHYSICS LETTERS, 102, 222903 (2013) DOI: 10.1063/1.4809673	Articol ISI	3.515 (Q1)	1.217	Nu
20	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, JOURNAL OF ALLOYS AND COMPOUNDS, 574, 591–599 (2013) DOI: 10.1016/j.jallcom.2013.05.136	Articol ISI	2.726 (Q1)	0.534	Nu
21	C. E. Ciomaga, C. S. Olariu, <u>L. Padurariu</u> , A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012) DOI: 10.1063/1.4764037	Articol ISI	2.210 (Q1)	0.796	Nu
22	<u>L. Padurariu</u> , L. Curecheriu, C. Galassi, L. Mitoseriu, Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012) DOI: 10.1063/1.4729878	Articol ISI	3.794 (Q1)	1.355	Da. Primul autor și autorul corespondent
23	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, Phys. Rev. B 85, 224111 (2012) DOI: 10.1103/PhysRevB.85.224111	Articol ISI	3.767 (Q1)	1.429	Da. Primul autor și autorul corespondent
24	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011) DOI: 10.1016/j.jallcom.2011.08.027	Articol ISI	2.289 (Q1)	0.509	Nu
25	Z. V. Mocanu, G. Apachitei, <u>L. Padurariu</u> , F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011) DOI: 10.1051/epjap/2011110094	Articol ISI	0.771 (Q3)	0.265	Nu
26	<u>L. Padurariu</u> , C. Enachescu, L. Mitoseriu, Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO ₃ -based solid solutions, JOURNAL OF PHYSICS-CONDENSED MATTER, 32, 5901-5913(2011) DOI: 10.1088/0953-8984/23/32/325901	Articol ISI	2.546 (Q1)	1.012	Da. Primul autor
27	<u>L. Padurariu</u> , L. Mitoseriu, Local field engineering approach for tuning dielectric and ferroelectric properties in nanostructured ferroelectrics and composites, capitol in cartea Nanoscale ferroelectrics and multiferroics: Key processes and characterization issues, and nanoscale effects, Editori: Miguel Alguero, Marty Gregg, Liliana Mitoseriu, 29 pgs (2016) DOI: 10.1002/9781118935743.ch18	Capitol de carte	-	-	Da. Primul autor și autorul corespondent
28	<u>L. Padurariu</u> , L. Mitoseriu, Monte Carlo Simulations for Describing the Dielectric Properties of Ferroelectric Relaxors, Journal of Advanced Research in Physics, 32, 021006 (2010)	Jurnal internațional	-	-	Da. Primul autor

Lista de citări în reviste indexate ISI

Nr.	Articol citat	Articol care citează
1	L. Padurariu, C. Enachescu, L. Mitoseriu, Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO ₃ -based solid solutions, JOURNAL OF PHYSICS-CONDENSED MATTER, 32, 5901-5913(2011)	L. P. Curecheriu, M. Deluca, Z. V. Mocanu, M. V. Pop, V. Nica, N. Horchidan, M. T. Buscaglia, V. Buscaglia, M. van Bael, A. Hardy, L. Mitoseriu, Investigation of the ferroelectric-relaxor crossover in Ce-doped BaTiO ₃ ceramics by impedance spectroscopy and Raman study, PHASE TRANSITIONS, 86, 703-714 (2013)
2	L. Padurariu, C. Enachescu, L. Mitoseriu, Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO ₃ -based solid solutions, JOURNAL OF PHYSICS-CONDENSED MATTER, 32, 5901-5913(2011)	N. Horchidan, A.C. Ianculescu, C.A. Vasilescu, M. Deluca, V. Musteata, H. Ursic, R. Frunza, B. Malic, L. Mitoseriu, Multiscale study of ferroelectric-relaxor crossover in BaSn _x Ti _{1-x} O ₃ ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 34, 3661-3674 (2014)
3	L. Padurariu, C. Enachescu, L. Mitoseriu, Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO ₃ -based solid solutions, JOURNAL OF PHYSICS-CONDENSED MATTER, 32, 5901-5913(2011)	Y.B. Ma, K. Albe, B.X. Xu, Lattice-based Monte Carlo simulations of the electrocaloric effect in ferroelectrics and relaxor ferroelectrics, PHYSICAL REVIEW B, 91, 184108 (2015)
4	L. Padurariu, C. Enachescu, L. Mitoseriu, Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO ₃ -based solid solutions, JOURNAL OF PHYSICS-CONDENSED MATTER, 32, 5901-5913(2011)	S. Prosandeev, D.W. Wang, A.R. Akbarzadeh, L. Bellaiche, First-principles-based effective Hamiltonian simulations of bulks and films made of lead-free Ba (Zr,Ti)O ₃ relaxor ferroelectrics, JOURNAL OF PHYSICS-CONDENSED MATTER, 27, 223202 (2015)
5	L. Padurariu, C. Enachescu, L. Mitoseriu, Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO ₃ -based solid solutions, JOURNAL OF PHYSICS-CONDENSED MATTER, 32, 5901-5913(2011)	L.P. Curecheriu, C.E. Ciomaga, V. Musteata, G. Canu, V. Buscaglia, L. Miroseriu, Diffuse phase transition and high electric field properties of BaCe ₇ Ti _{1-y} O ₃ relaxor ferroelectric ceramics, CERAMICS INTERNATIONAL, 42, 11085-11092 (2016)
6	L. Padurariu, C. Enachescu, L. Mitoseriu, Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO ₃ -based solid solutions, JOURNAL OF PHYSICS-CONDENSED MATTER, 32, 5901-5913(2011)	Y.B. Ma, C. Molin, V.V. Shvartsman, S. Gebhardt, D.C. Lupascu, K. Albe, B.X. Xu, State transition and electrocaloric effect of BaZr _x Ti _{1-x} O ₃ : Simulation and experiment, JOURNAL OF APPLIED PHYSICS, 121, 024103 (2017)
7	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	Q.F. Zhang, N. Schmidt, J.L. Lan, W.W. Kim, G.Z. Cao, A facile method for the synthesis of the Li _{0.3} La _{0.57} TiO ₃ solid state electrolyte, CHEMICAL COMMUNICATIONS, 50, 5593-5596 (2014)
8	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	M. Airimioaei, M.N. Palamaru, A.R. Iordan, P. Berthet, C. Decorse, L. Curecheriu, L. Mitoseriu, Structural Investigation and Functional Properties of Mg _x Ni _{1-x} Fe ₂ O ₄ Ferrites, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 97 519–526 (2014)
9	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	R.B. Kamble, V. Varade, K.P. Ramesh, V. Prasad, Domain size correlated magnetic properties and electrical impedance of size dependent nickel ferrite nanoparticles, AIP ADVANCES, 5, 0171119 (2015)
10	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	A.M. Ionascu, P.V. Notinger, R. Bercia, Modeling of Solid Electrolyte Based on Ceria for Intermediate Temperature Fuel Cells, 2015 9th International Symposium on Advanced Topics In Electrical Engineering, 484-489 (2015)
11	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	C. Chen, P. Jost, H. Volker, M. Kaminski, M. Wirtsohn, U. Engelmann, K. Kruger, F. Schlich, C. Schlockermann, R.P.S.M. Lobo, M. Wuttig, Dielectric properties of amorphous phase-change materials, PHYSICAL REVIEW B, 95, 094111 (2017)
12	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	N. Lenin, R.R. Kanna, K. Sakthipandi, A.S. Kumar, Structural, electrical and magnetic properties of NiLa _x Fe _{2-x} O ₄ nanoferrites, MATERIALS CHEMISTRY AND PHYSICS, 212, 385-393 (2018)
13	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	M.V.S. Kumar, G.J. Shankarmurthy, E. Melagiriappa, K.K. Nagaraja, H.S. Jayanna, M.P. Telenkov, Induced effects of Zn ⁺² on the transport and complex impedance properties of Gadolinium substituted nickel-zinc nano ferrites, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 478, 12-19 (2019)
14	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	A.L. Marcomini, J.A. Dias, M.R. Morelli, R.E.S. Bretas, Synthesis of the high dielectric permittivity perovskite (Na _{1/3} Ca _{1/3} Bi _{1/3} Cu ₃ Ti ₄ O ₁₂) by different routes, CERAMICS INTERNATIONAL, 45, 24642-24650 (2019)
15	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	S.C.V. Durai, E. Kumar, FREQUENCY-DEPENDENT IMPEDANCE, MODULUS AND DIELECTRIC STUDIES OF POLYANILINE/MANGANESE DIOXIDE NANOCOMPOSITES, JOURNAL OF OVONIC RESEARCH, 16, 173-180 (2020)
16	Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 56, 10102 (2011)	S. Dagar, A. Hooda, S. Khalsa, et al. Investigations of structural, enhanced dielectric and magnetic properties of NBT doped ferrite system, MATERIALS CHEMISTRY AND PHYSICS, 249, 123214 (2020)
17	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	X.V. Shang, W. Chen, W.Q. Cao, Research on dielectric tunability of relaxor ferroelectrics, ACTA PHYSICA SINICA, 61, 217701 (2012)
18	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	B. Wodecka-Dus, M. Adamczyk, K. Osinska, M. Plonska, D. Czekaj, Dielectric properties of Ba _{1-x} La _x Ti _{1-x/4} O ₃ ceramics with different La ³⁺ content, ADAPTIVE, ACTIVE AND MULTIFUNCTIONAL SMART MATERIALS SYSTEMS, Advances in Science and Technology, 77, 35-40 (2013)
19	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	M.L.V. Mahesh, V.V. Bhanu Prasad, A.R. James, Effect of sintering temperature on the microstructure and electrical properties of zirconium doped barium titanate ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 24, 4684-4692 (2013)
20	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	P.R. Ren, H.Q. Fan, X. Wang, G.Z. Dong, Phase transition, high figure of merit and polar nano-regions in dielectric tunable lanthanum substituted barium titanate, JOURNAL OF ALLOYS AND COMPOUNDS, 617, 337-344 (2014)
21	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	H. Chen, Z.Z. Cao, L.Y. Wang, W.Y. He, J.M. Sun, Y.F. Zhang, X.Z. Ruan, The giant dielectric constant and tunable properties of La ₂ NiMnO _{6-x} MgO ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 616, 213-220 (2014)
22	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	A. Mahmood, Y. Iqbal, A. Ullah, Phase, microstructure and electrical characterization of Ba _{1-x} La _x (Zr _{0.6} Ti _{0.4}) _{1-x/4} O ₃ ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 26, 113-121 (2015)
23	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	K.E. Oksuz, S. Sen, U. Sen, Effects of B2O3 addition on the sintering behavior of 0-5-10% ZrO ₂ doped BaTiO ₃ based ceramics, ACTA PHYSICA POLONICA A, 127, 1086-1089 (2015)

24	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	S.Z. Cui, D.Y. Lu, X.Y. Sun, Study of the solubility of La ³⁺ -Dy ³⁺ defect complexes and dielectric properties of (Ba _{1-x} La _x)(Ti _{1-x} Dy _x)O ₃ ceramics, CERAMICS INTERNATIONAL, 41, 2301-2308 (2015)
25	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	Z.Z. Cao, L.Y. Wang, W.Y. He, J.T. Zeng, Y.F. Gao, J.R. Liu, S.L. Leng, The electric and dielectric responses of La ₂ Ni _{1-x} Mg _x MnO ₆ solid solution, JOURNAL OF ALLOYS AND COMPOUNDS, 628, 81-88 (2015)
26	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	A.C. Ianculescu, C.A. Vasilescu, M. Crisan, M. Raileanu, B.S. Vasile, M. Calugaru, D. Crisan, N. Dragan, L. Curecheriu, L. Mitoseriu, Formation mechanism and characteristics of lanthanum-doped BaTiO ₃ powders and ceramics prepared by the sol-gel process, MATERIALS CHARACTERIZATION, 106, 195-207 (2015)
27	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	A. Kumar, V.V.B. Prasad, K.C.J. Raju, A.R. James, Optimization of poling parameters of mechanically processed PLZT 8/60/40 ceramics based on dielectric and piezoelectric studies, EUROPEAN PHYSICAL JOURNAL B, 88, 287 (2015)
28	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	A. Mahmood, E. Mensur-Alkoy, A. Naeem, Y. Iqbal, A. Ullah, S. Alkoy, Effect of La substitution on the microstructure and dielectric properties of the sol-gel derived BaZr _{0.2} Ti _{0.8} O ₃ thin films, THIN SOLID FILMS, 611, 68-73 (2016)
29	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	D.Y. Lu, T.T. Liu, Dielectric properties and defect chemistry of (Ba _{1-x} La _x)(Ti _{1-x} Lu _x)O ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 698, 967-976 (2017)
30	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	F. Maldonado, A. Stashans, DFT study of Ag and La codoped BaTiO ₃ , JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, 102, 136-141 (2017)
31	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	K. E. Oksuz, S. Sen, U. Sen, Influence of ZrO ₂ Addition on the Structure and Dielectric Properties of BaTiO ₃ Ceramics, Acta Physica Polonica A, 131, 197 (2017)
32	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	M.S. Alkathy, K.J.C. Raju, Structural, dielectric, electromechanical, piezoelectric, elastic and ferroelectric properties of lanthanum and sodium co-substituted barium titanate ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 737, 464-476 (2018)
33	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	Q.L. Liu, J.W. Liu, D.Y. Lu, W.T. Zheng, Colossal dielectric behavior and relaxation in Nd-doped BaTiO ₃ at low temperature, CERAMICS INTERNATIONAL, 44, 7251-7258 (2018)
34	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	M.S. Alkathy, A. Hezam, K.S.D. Manoja, J.W. Wang, C. Cheng, K. Byrappa, K.C.J. Raju, Effect of sintering temperature on structural, electrical, and ferroelectric properties of lanthanum and sodium co-substituted barium titanate ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 762, 49-61 (2018)
35	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	V. Paunovic, Z. Prijic, M. Dordevic, V. Mitic, Enhanced Dielectric Properties in La Modified Barium Titanate Ceramics, FACTA UNIVERSITATIS-SERIES ELECTRONICS AND ENERGETICS, 32, 179-193 (2019)
36	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	A. El Ghandouri, S. Sayouri, T. Lamcharfi, A. Elbasset, Structural, microstructural and dielectric properties of Ba _{1-x} La _x Ti _(1-x/4) O ₃ prepared by sol gel method, JOURNAL OF ADVANCED DIELECTRICS, 9, UNSP 1950026 (2019)
37	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	J.L. Yang, H.J. Mao, X.Y. Chen, W.J. Zhang, Investigation of microstructure and dielectric properties of LaMnO ₃ doped BaTiO ₃ ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 30, 18227-18233 (2019)
38	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	C.A. Stanciu, I. Pintilie, A. Surdu, R. Trusca, B.S. Vasile, M. Eftimie, A. Ianculescu, Influence of Sintering Strategy on the Characteristics of Sol-Gel Ba _{1-x} Ce _x Ti _(1-x/4) O ₃ Ceramics, Nanomaterials, 9, 1675 (2019)
39	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	Y. Feng, J. Wu, Q. Chi, W. Li, Y. Yu, W. Fei, Defects and Aliovalent Doping Engineering in Electroceramics, CHEMICAL REVIEWS, 120, 1710-1787 (2020)
40	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	A. Gaur, S. Srinath, Phase stability of BaZr _{0.2} Ti _{0.8} O ₃ and La _{0.8} Sr _{0.2} MnO ₃ phases in the ceramic composite under conventional sintering, MATERIALS TODAY-PROCEEDINGS, 28, 290-293 (2020)
41	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	B. Wondecka-Dus, M. Adamczyk-Habrajka, T. Goryczka, D. Bochenek, Chemical and Physical Properties of the BLT4 Ultra Capacitor-A Suitable Material for Ultracapacitors, MATERIALS, 13, 659 (2020)
42	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	J. Liu, L.J. Liu, J.L. Zhang, L. Jin, D.W. Wang, J. wei, Z.G. Ye, C.L. Jia, Charge effects in donor-doped perovskite ferroelectrics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 103, 5392-5399 (2020)
43	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	D. Basha, Hydrothermal synthesis of Ba _{1-x} La _x TiO ₃ (x=0.2, 0.4, 0.6, & 0.8) nanorods: structure, morphology, optical band gap, and dielectricity behavior, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 31, 16448-16458 (2020)
44	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	W.-J. Choi, K.-S. Moon, Microstructure and dielectric properties in the La ₂ O ₃ -doped BaTiO ₃ system, JOURNAL OF THE KOREAN CRYSTAL GROWTH AND CRYSTAL TECHNOLOGY, 30, 103-109 (2020)
45	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	M. Jebli, Ch. Rayssi, N. Abdelmoula, et al. Frequency and thermal studies of dielectric permittivity and Raman analysis of Ba _{0.97} La _{0.02} Ti _{0.98} Nb _{0.016} O ₃ , JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 31, 22323-22339 (2020)
46	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	B. Wodecka-Dus, T. Goryczka, M. Adamczyk-Habrajka, et al. Dielectric and Electrical Properties of BLT Ceramics Modified by Fe Ions, MATERIALS, 13, 5623 (2020)
47	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	J. Ma, R. Yang, H. Chen, A large modulation of electron-phonon coupling and an emergent superconducting dome in doped strong ferroelectrics, NATURE COMMUNICATIONS, 12, 2314 (2021)
48	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	T. Sreenivasu, K. S. K. R. C. Sekhar, R. Jyothi, et al. Observation of dielectric anomalies and enhanced multiferroic properties in (1-x)Ba _{0.8} Sr _{0.2} TiO ₃ (-x)LaFeO ₃ ceramics near at MPB region, JOURNAL OF ALLOYS AND COMPOUNDS, 866, 158741 (2021)
49	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	M. Kumari, A. Yadav, P.M. Sarun, Systematic investigation of structural, optical and dielectric properties of 0.5 mol% Eu:BaTiO ₃ ceramics, MATERIALS TODAY-PROCEEDINGS, 46, 6102-6106 (2021)
50	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	A.K. Yadav, H.Q. Fan, B.B. Yan, W.J. Wang, W.Q. Dong, S.R. Wang, Structure evolutions with enhanced dielectric permittivity and ferroelectric properties of Ba(1-x)(La, Li) _x TiO ₃ ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 32, 23103-23115 (2021)
51	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	S. Lv, M. Wang, W. Tian, G.Y. Li, Z.R. Wang, N. Ma, P.Y. Du, Selectively doped barium ferrite ceramics with giant permittivity and high tunability under extremely low electric bias, JOURNAL OF APPLIED PHYSICS, 130, 124101 (2021)
52	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	M. Kumari, N. Baraik, P.M. Sarun, Effect of Nd doping on the structural, optical and dielectric properties of BaTi _{0.95} Sn _{0.05} O ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 883, 160635 (2021)
53	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, <u>L. Padurariu</u> , L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	N. Wongdamnern, N. Triamnak, T. Sareein, R. Yimnirun, Ferroelectric-Thermoelectric Hybrid Property in La-Doped BaTiO ₃ Polycrystalline Ceramics, INTEGRATED FERROELECTRICS, 223, 258-267 (2021)

54	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	S.A. Gridnev, I.I. Popov, M.A. Kashirin, A.I. Bacharov, Low-frequency internal friction in ferroelectric Ba _{0.8} Sr _{0.2} TiO ₃ and Ba _{0.8} Sr _{0.2} TiO ₃ +0.2 mass. % La ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 889, 161764 (2021)
55	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	M. Adamczyk-Habrajaska, B. Wodecka-Dus, T. Goryczka, D. Szalbot, M. Bara, L. Cieply, Dielectric and Electric Properties of Ba _{0.996} La _{0.004} Ti _{0.999} O ₃ Ceramics Doped with Europium and Hafnium Ions, MATERIALS, 15, 413 (2022)
56	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	C.Y. Ma, H.L. Du, J. Liu, X. Du, D.N. Feng, Charge compensation mechanisms of BaTiO ₃ ceramics co-doped with La ₂ O ₃ and Bi ₂ O ₃ , CERAMICS INTERNATIONAL, 48, 5428-5433 (2022)
57	A. Ianculescu, Z. V. Mocanu, L. Curecheriu, L. Padurariu, L. Mitoseriu, R. Trusca, Dielectric and tunability properties of La-doped BT ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 509,10040– 10049 (2011)	W.F. Liu, Y. Zhao, J.H. Lin, F.Y. Kong, J.H. Gao, S.T. Li, Enhanced dielectric tunability and reduced dielectric loss in the La/Fe co-doped Ba _{0.65} Sr _{0.35} TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 901, 163642 (2022)
58	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	B. Chen, J.Y. Wang, M.X. Zhou, J.G. Wan, J.M. Liu, Enhanced Magnetodielectric Effect in Graded CoFe ₂ O ₄ /Pb(Zr _{0.52} Ti _{0.48})O ₃ Particulate Composite Films, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 97, 1450–1455 (2014)
59	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	A. Neagu, L.P. Curecheriu, A. Cazacu, L. Mitoseriu, Impedance analysis and tunability of BaTiO ₃ -chitosan composites: Towards active dielectrics for flexible electronics, COMPOSITES PART B-ENGINEERING, 66, 109–116 (2014)
60	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	T.L. Sa, Z.P. Cao, Y.J. Wang, H.B. Zhu, Enhancement of charge and energy storage in PbZrO ₃ thin films by local field engineering, APPLIED PHYSICS LETTERS, 105, 043902 (2014)
61	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	L. Amaral, P. M. Vilarinho, A. M. R. Senos, Electrophoretic deposition and constrained sintering of strontium titanate thick films, MATERIALS CHEMISTRY AND PHYSICS, 149, 445-452 (2015)
62	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	J. Lesseur, D. Bernard, U.-C. Chung, C. Estournès, M. Maglione, C. Elissalde, 3D mapping of anisotropic ferroelectric/dielectric composites, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 35, 337-345 (2015)
63	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	R.L. Johnson-Wilke, R.H.T. Wilke, M. Wallace, A. Rajashekhar, G. Esteves, Z. Merritt, J.L. Jones, S. Trolier-McKinstry, Ferroelectric/Ferroelastic Domain Wall Motion in Dense and Porous Tetragonal Lead Zirconate Titanate Films, IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 62, 46-55 (2015)
64	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	T.T. Xu, C.A. Wang, Grain Orientation and Domain Configuration in 3-1 Type Porous PZT Ceramics with Ultrahigh Piezoelectric Properties, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 98, 2700-2702 (2015)
65	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	A. Sakanas, R. Grigalaitis, J. Banys, L. Curecheriu, L. Mitoseriu, V. Buscaglia, Microstructural influence on the broadband dielectric properties of PLZT-Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ core-shell dcomposites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 118, 174106 (2015)
66	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	R. Khachatryan, S. Zhukov, J. Schultheiss, C. Galassi, C. Reimuth, J. Koruza, H. von Seggern, Y.A. Genenko, Polarization-switching dynamics in bulk ferroelectrics with isometric and oriented anisometric pores, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 50, 045303 (2017)
67	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	L. P. Curecheriu, M.T. Buscaglia, F. Maglia, C. Padurariu, G. Ciobanu, U. Aselmi-Tamburini, V. Buscaglia, L. Mitoseriu, Tailoring the functional properties of PLZT-BaTiO ₃ composite ceramics by core-shell approach, JOURNAL OF APPLIED PHYSICS, 121, 144101 (2017)
68	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	M. Airimioaei, M.T. Buscaglia, I. Tredici, U. Anselmi-Tamburini, C.E. Ciomaga, L. Curecheriu, A. Bencan, V. Buscaglia, L. Mitoseriu, SrTiO ₃ -BaTiO ₃ nanocomposites with temperature independent permittivity and linear tunability fabricated using field-assisted sintering from chemically synthesized powders, JOURNAL OF MATERIALS CHEMISTRY C, 5, 9028-9036 (2017)
69	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	H. Zhao, P.P. Wu, L.F. Du, H.L. Du, Effect of the nanopore on ferroelectric domain structures and switching properties, COMPUTATIONAL MATERIALS SCIENCE, 148, 216-223 (2018)
70	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	Y. Zhang, J. Roscow, R. Lewis, H. Khanbareh, V.Y. Topolov, M.Y. Xie, C.R. Bowen, Understanding the effect of porosity on the polarisation-field response of ferroelectric materials, ACTA MATERIALIA, 154, 100-112 (2018)
71	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	R. Khachatryan, Y.A. Genenko, Correlated polarization-switching kinetics in bulk polycrystalline ferroelectrics. II. Impact of crystalline phase symmetries, PHYSICAL REVIEW B, 98, 134106 (2018)
72	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	C. Elissalde, U.C. Chung, F. Roulland, R. Berthelot, A. Artemenko, J. Majimel, S. Basov, L. Piraux, B. Nysten, S. Mornet, C. Aymonier, C. Estournès, M. Maglione, Specific core-shell approaches and related properties in nanostructured ferroelectric ceramics, FERROELECTRICS, 532, 138-159 (2018)
73	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	K.A. Khan, A. A. Khan, 3-3 piezoelectric metamaterial with negative and zero Poisson's ratio for hydrophones applications, MATERIALS RESEARCH BULLETIN, 112, 194-204 (2019)
74	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	G. Martinez-Ayuso, M.I. Friswell, H.H. Khodaparast, J.I. Roscow, C.R. Bowen, Electric field distribution in porous piezoelectric materials during polarization, ACTA MATERIALIA, 173, 332-341 (2019)
75	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	B. Vial, Y. Hao, Enhanced tunability in ferroelectric composites through local field enhancement and the effect of disorder, JOURNAL OF APPLIED PHYSICS, 126, 044102 (2019)
76	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	J. Schultheiss, J.I. Roscow, J. Koruza, Orienting anisometric pores in ferroelectrics: Piezoelectric property engineering through local electric field distributions, PHYSICAL REVIEW MATERIALS, 3, 084408 (2019)
77	L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	C.E. Ciomaga, A. Guzu, M. Airimioaei, L.P. Curecheriu, V.A. Lukacs, O.G. Avadanei, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Comparative study of magnetoelectric BaTiO ₃ -Co _{0.8} Zn _{0.2} Fe ₂ O ₄ bi-tunable ceramics sintered by Spark Plasma Sintering and classical method, CERAMICS INTERNATIONAL, 45, 24168-24175 (2019)

78	<u>L. Padurariu</u> , L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	R.K. Raji, V. Kurapati, T. Ramachandran, M. Muralidharan, R. Suriakarthick, M. Dhilip, F. Hamed, Tweaking the red emission, magneto, and dielectrical properties of perovskite type-LaFeO ₃ in the presence of Co substitution, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 31, 7998-8014 (2020)
79	<u>L. Padurariu</u> , L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	N.H. Khansur, J. Biggeman, M. Stumpf, K. Riess, T. Fey, K.G. Webber, Temperature- and Stress-Dependent Electromechanical Response of Porous Pb(Zr,Ti)O ₃ , ADVANCED ENGINEERING MATERIALS, 22, 2000389 (2020)
80	<u>L. Padurariu</u> , L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	V. Myroshnychenko, S. Smirnov, P. M. M. Jose, et al. Nonlinear dielectric properties of random paraelectric-dielectric composites, ACTA MATERIALIA, 203, 116432 (2021)
81	<u>L. Padurariu</u> , L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	B. VIAL, Y. HAO, High frequency meta-ferroelectrics by inverse design, OPTICAL MATERIALS EXPRESS, 11, 1457-1469 (2021)
82	<u>L. Padurariu</u> , L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	K.A. Khan, H.K. Alarfati, M.A. Khan, Micromechanical modeling of architected piezoelectric foam with simplified boundary conditions for hydrophone applications, JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES, 32, 1700-1712 (2021)
83	<u>L. Padurariu</u> , L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	T. Fuchigami, Y. Sumiya, K. Kakimoto, Ferroelectric domain formation and photocatalytic activity on porous alkali niobate piezoelectric ceramics, JOURNAL OF THE CERAMIC SOCIETY OF JAPAN, 129, 425-431 (2021)
84	<u>L. Padurariu</u> , L. Curecheriu, C. Galassi, L. Mitoseriu. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, APPLIED PHYSICS LETTERS 100, 252905 (2012)	J.I. Roscow, Y. Li, D.A. Hall, Residual stress and domain switching in freeze cast porous barium titanate, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 42, 1434-1444 (2022)
85	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	L. Curecheriu, S. Balmus, M. T. Buscaglia, V. Buscaglia, A. Ianculescu, and L. Mitoseriu, Grain Size-Dependent Properties of Dense Nanocrystalline Barium Titanate Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 95, 3912-3921 (2012)
86	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	R.P. Jiménez, J.P. Rino, B. Fraygola, and J.A. Eiras, On the capacitance versus voltage response and tunability of ferroelectrics: A microscopic model, JOURNAL OF APPLIED PHYSICS, 113, 074109 (2013)
87	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	S.P. Zhang, X.H. Wang, J.L. Zhu, C.Q. Jin, H.L. Gong, L.T. Li, The microstructure and ferroelectricity of BiScO ₃ -PbTiO ₃ nanoceramics at morphotropic phase boundaries, SCRIPTA MATERIALIA, 82, 45-48 (2014)
88	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	S.P. Zhang, X.H. Wang, H. Wang, L.T. Li, Grain boundary region and local piezoelectric response of BiScO ₃ -PbTiO ₃ nanoceramics prepared by combination of SPS and two-step sintering, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 34, 2317-2323 (2014)
89	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	C.L. Mao, S.G. Yan, S. Cao, C.H. Yao, F. Cao, G.S. Wang, X.L. Dong, X. Hu, C.L. Yang, Effect of grain size on phase transition, dielectric and pyroelectric properties of BST ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 34, 2933-2939 (2014)
90	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	R.P. Jiménez, J.P. Rino, J.A. Eiras, Ferroelectric Domain Wall as Stretched Membrane: Nonlinear Dielectric Response and Tunability, FERROELECTRICS, 461, 29-37 (2014)
91	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	N. Salazar, M. Alguero, H. Amorin, A. Castro, A. Gil, J. Ricote, Local characterization of nanostructured high sensitivity piezoelectric BiScO ₃ -PbTiO ₃ ceramics by piezoresponse force microscopy, JOURNAL OF APPLIED PHYSICS, 116, 124108 (2014)
92	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	L. Curecheriu, P. Postolache, M.T. Buscaglia, V. Buscaglia, A. Ianculescu, L. Mitoseriu, Novel magnetoelectric ceramic composites by control of the interface reactions in Fe ₂ O ₃ @BaTiO ₃ core-shell structures, JOURNAL OF APPLIED PHYSICS, 116, 084102 (2014)
93	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	L.P. Curecheriu, M.T. Buscaglia, F. Maglia, U. Anselmi-Tamburini, V. Buscaglia, L. Mitoseriu, Design tunable materials: Ferroelectric-antiferroelectric composite with core-shell structure, APPLIED PHYSICS LETTERS, 105, 252901 (2014)
94	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	J. Lesseur, D. Bernard, U.-C. Chung, C. Estournès, M. Maglione, C. Elissalde, 3D mapping of anisotropic ferroelectric/dielectric composites, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, Soc. 35, 337-345 (2015)
95	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	A.V. Uskov, E.V. Charnaya, A.L. Pirozerskii, A.S. Bugaev, The Transverse Ising Model of the Ferroelectric Phase Transition in a System of Coupled Small Particles, FERROELECTRICS, 482, 70-81 (2015)
96	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	L.W. Wu, X.H. Wang, L.T. Li, Enhanced Energy Density in Core-Shell Ferroelectric Ceramics: Modeling and Practical Conclusions, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 99, 930-937 (2016)
97	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	H. Ghayour, M. Abdellahi, A brief review of the effect of grain size variation on the electrical properties of BaTiO ₃ -based ceramics, POWDER TECHNOLOGY, 292, 84-93 (2016)
98	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	S. Zheng, L.X. Li, W.J. Luo, H.R. Zheng, Effects of dwell time on dielectric properties and diffuse phase transition behavior of Li ₂ CO ₃ doped BaZr _{0.2} Ti _{0.8} O ₃ ceramic, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 27, 9265-9271 (2016)
99	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	O. Condurache, I. Turcan, L. Curecheriu, C. Ciomaga, P. Postolache, G. Ciobanu, L. Mitoseriu, Towards novel functional properties by interface reaction in mixtures of BaTiO ₃ -Fe ₂ O ₃ composite ceramics, CERAMICS INTERNATIONAL, 43, 1098 (2017)
100	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, Phys. Rev. B 85, 224111 (2012)	Y. Shi, Y.P. Pu, Y.F. Cui, Y.J. Luo, Enhanced grain size effect on electrical characteristics of fine-grained BaTiO ₃ ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 28, 13229-13235 (2017)
101	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	M. Sanliyalp, Z.D. Luo, V.V. Shvartsman, X.Z. Wei, Y. Liu, B. Dkhil, D.C. Lupascu, Direct measurement of electrocaloric effect in lead-free Ba(Sn _x Ti _{1-x})O ₃ ceramics, APPLIED PHYSICS LETTERS, 111, 173903 (2017)
102	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	M. Airimioaei, M.T. Buscaglia, I. Tredici, U. Anselmi-Tamburini, C.E. Ciomaga, L. Curecheriu, A. Bencan, V. Buscaglia, L. Mitoseriu, SrTiO ₃ -BaTiO ₃ nanocomposites with temperature independent permittivity and linear tunability fabricated using field-assisted sintering from chemically synthesized powders, JOURNAL OF MATERIALS CHEMISTRY C, 5, 9028-9036 (2017)
103	<u>L. Padurariu</u> , L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	L. Zeng, J. Xu, C.G. Wang, J.H. Zhang, Y.T. Zhao, J. Zeng, R.X. Song, Photonic time crystals, SCIENTIFIC REPORTS, 7, 17165 (2017)

104	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	C.Y. Wang, Y.Z. Fan, X. Zhao, A. Du, R.N. Ma, X.M. Cao, Effect of SiO ₂ on dielectric properties of core-shell Sr and Tm co-doped BaTiO ₃ @SiO ₂ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 737, 213-220 (2018)
105	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	C. Wang, K. Zhai, Y.C. Zhao, H.X. Wei, Y. Sun, S.P. Shen, J.Z. Cong, S.G. Wang, Tunable giant dielectric properties by Ca doping in Lu _{1-x} Ca _x Fe ₂ O ₄ , JOURNAL OF ALLOYS AND COMPOUNDS, 750, 333-340 (2018)
106	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	Z.M. Cai, X.H. Wang, W. Hong, B.C. Luo, Q.C. Zhao, L.T. Li, Grain-size-dependent dielectric properties in nanograin ferroelectrics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 101, 5487-5496 (2018)
107	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	A.D. Dupuy, Y. Kodeba, G.P. Carman, J.E. Garay, Effect of phase homogeneity and grain size on ferroelectric properties of 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ -0.5 (Ba _{0.7} Ca _{0.3})TiO ₃ (BXT) lead-free ceramics, SCRIPTA MATERIALIA, 159, 13-17 (2019)
108	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	B. Vial, Y. Hao, Enhanced tunability in ferroelectric composites through local field enhancement and the effect of disorder, JOURNAL OF APPLIED PHYSICS, 126, 044102 (2019)
109	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	Z. Ozer, A.M. Mamedov, E. Ozbay, BaTiO ₃ based photonic time crystal and momentum stop band, FERROELECTRICS, 557, 105-111 (2020)
110	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	S.H. Yoon, M.Y. Kim, D. Kim, Correlation between tetragonality (c/a) and direct current (dc) bias characteristics of BaTiO ₃ -based multi-layer ceramic capacitors (MLCC), JOURNAL OF MATERIALS CHEMISTRY C, 8, 9373-9381 (2020)
111	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	V. Buscaglia, C.A. Randall, Size and scaling effects in barium titanate. An overview, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 3744-3758 (2020)
112	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	C.-J. Chen, J.-H. Chao, Y. G. Lee, et al. Analysis on the electric field distribution in a relaxor ferroelectric KTN crystal near field-induced phase transition using optical deflection measurements, OPTICS EXPRESS, 28, 31034-31042 (2020)
113	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	H. Tao, J. Yin, C. Zhao, et al. Relaxor behavior of potassium sodium niobate ceramics by domain evolution, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 41, 335-343 (2021)
114	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	V. Myroshnychenko, S. Smirnov, P. M. M. Jose, et al. Nonlinear dielectric properties of random paraelectric-dielectric composites, ACTA MATERIALIA, 203, 116432 (2021)
115	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	N. Horchidan, L. Curecheriu, C. E. Ciomaga, et al. Preparation and Functional Properties of BaTiO ₃ -BaGeO ₃ Ceramics, EEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 279-287 (2021)
116	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	G. Kerridge, D. C. Sinclair, J. S. Dean, Resource efficient exploration of ternary phase space to develop multi-layer ceramic capacitors, ACTA MATERIALIA, 207, 116690 (2021)
117	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	B. VIAL, Y. HAO, High frequency meta-ferroelectrics by inverse design, OPTICAL MATERIALS EXPRESS, 11, 1457-1469 (2021)
118	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, PHYSICAL REVIEW B, 85, 224111 (2012)	L. Wu, Z. Cai, L. Li, X. Wang, Breakdown strength and energy density enhancement in polymer-ceramic nanocomposites: Role of particle size distribution, COMPOSITES SCIENCE AND TECHNOLOGY, 212, 108868 (2021)
119	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	L. Curecheriu, P. Postolache, M. T. Buscaglia, V. Buscaglia, A. Ianculescu, and L. Mitoseriu, Novel magnetoelectric ceramic composites by control of the interface reactions in Fe ₂ O ₃ @BaTiO ₃ core-shell structures, JOURNAL OF APPLIED PHYSICS, 116, 084102 (2014)
120	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	Y. Peng, X.H. Wu, Z.Y. Chen, Q.F. Li, T. Yu, Z.K. Feng, Z.J. Su, Y.J. Chen, V.G. Harris, High frequency permeability and permittivity spectra of BiFeO ₃ /(CoTi)-BaM ferrite composites, JOURNAL OF APPLIED PHYSICS, 117, 062402 (2015)
121	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	A. Sakanas, R. Grigalaitis, M. Ivanov, J. Banyas, L. Mitoseriu, V. Buscaglia, P. Nanni, The Alternative Expression of Lichtenecker's Logarithmic Mixture Formula and Its Application to the Broadband Dielectric Spectroscopy of BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Composites, FERROELECTRICS, 479, 90-97 (2015)
122	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	A.B. Sifones, R.S. Del Toro, A. Avila, E. Canzales, G. Lovera, L. Cubillan, V. Gonzalez, A. Monaco, J.L. Brito, CERAMICS INTERNATIONAL, 41, 13250-13256 (2015)
123	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	C.E. Ciomaga, O.G. Avadanei, I. Dumitru, M. Airimioaei, S. Tascu, F. Tufescu, L. Mitoseriu, Engineering magnetoelectric composites towards application as tunable microwave filters, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 49, 125002 (2016)
124	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	G. Schileo, C. Pascual-Gonzalez, M. Alguero, I.M. Reaney, P. Postolache, L. Mitoseriu, K. Reichmann, A. Feteira, Yttrium Iron Garnet/Barium Titanate Multiferrite Composites, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 99, 1609-1614 (2016)
125	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	V.M. Gaikwad, S. A. Acharya, Perovskite-spinel composite approach to modify room temperature structural, magnetic and dielectric behavior of BiFeO ₃ , JOURNAL OF ALLOYS AND COMPOUNDS, 695, 3689-3703 (2017)
126	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	O. Condurache, I. Turcan, L. Curecheriu, C. Ciomaga, P. Postolache, G. Ciobanu, L. Mitoseriu, Towards novel functional properties by interface reaction in mixtures of BaTiO ₃ -Fe ₂ O ₃ composite ceramics, CERAMICS INTERNATIONAL, 43, 1098-1105 (2017)
127	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	L.P. Curecheriu, M.T. Buscaglia, F. Maglia, C. Padurariu, G. Ciobanu, U. Aselmi-Tamburini, V. Buscaglia, L. Mitoseriu, Tailoring the functional properties of PLZT-BaTiO ₃ composite ceramics by core-shell approach, JOURNAL OF APPLIED PHYSICS, 121, 144101 (2017)
128	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	V.M. Gaikwad, S.A. Acharya, Exploration of magnetically stable BiFeO ₃ -CoFe ₂ O ₄ composites with significant dielectric ordering at room temperature, JOURNAL OF ALLOYS AND COMPOUNDS, 755, 168-176 (2018)
129	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	M. Cernea, B.S. Vasile, I.V. Ciuchi, V.A. Surdu, C. Bartha, A. Iuga, P. Galizia, C. Galassi, Composite BNT-BT0.08/CoFe ₂ O ₄ with core-shell nanostructure for piezoelectric and ferromagnetic applications, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, 240, 7-15 (2019)
130	C. E. Ciomaga, C. S. Olariu, L. Padurariu, A. V. Sandu, C. Galassi, L. Mitoseriu, Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 112, 094103 (2012)	R.N. Zhong, T. Xiang, Q.H. Zheng, B. Xu, Measurement and Analysis of Dielectric Properties of Agricultural By-product Powders in Microwave Frequency Range, 2018 INTERNATIONAL SEMINAR ON FOOD SAFETY AND ENVIRONMENTAL ENGINEERING (FSEE 2018), 78, UNSP 02012 (2019)

131	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	A.M. Neagu, L.P. Curecheriu, A. Cazacu, L. Mitoseriu, Impedance analysis and tunability of BaTiO ₃ -chitosan composites: Towards active dielectrics for flexible electronics, <i>COMPOSITES PART B-ENGINEERING</i> , 66 109–116 (2014)
132	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	T.L. Sa, Z.P. Cao, Y.J. Wang, H.B. Zhu, Enhancement of charge and energy storage in PbZrO ₃ thin films by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 105, 043902 (2014)
133	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	A. Neagu, L. Curecheriu, M. Airimioaei, A. Cazacu, A. Cernescu, L. Mitoseriu, Impedance spectroscopy characterization of relaxation mechanisms in gold-chitosan nanocomposites, <i>COMPOSITES PART B-ENGINEERING</i> , 71, 210 (2015)
134	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	A. Toor, H. So, A.P. Pisano, Improved Dielectric Properties of Polyvinylidene Fluoride Nanocomposite Embedded with Poly(vinylpyrrolidone)-Coated Gold Nanoparticles, <i>ACS APPLIED MATERIALS & INTERFACES</i> , 9, 6369-6375 (2017)
135	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	A. Toor, H. So, A.P. Pisano, Dielectric properties of ligand-modified gold nanoparticle/SU-8 photopolymer based nanocomposites, <i>APPLIED SURFACE SCIENCE</i> , 414, 373-379 (2017)
136	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	L.P. Curecheriu, M.T. Buscaglia, F. Maglia, C. Padurariu, G. Ciobanu, U. Anselmi-Tamburini, V. Mascaglia, L. Mitoseriu, Tailoring the functional properties of PLZT-BaTiO ₃ composite ceramics by core-shell approach, <i>JOURNAL OF APPLIED PHYSICS</i> , 121, 144101 (2017)
137	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	M.J. Chen, X.K. Ning, S.F. Wang, G.S. Fu, Enhanced polarization and dielectricity in BaTiO ₃ :NiO nanocomposite films modulated by the microstructure, <i>RSC ADVANCES</i> , 7, 38231-38242 (2017)
138	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	M. Dendisova, A. Jenistova, A. Parchanska-Kokaislova, P. Matejka, V. Prokopec, M. Svecova, The use of infrared spectroscopic techniques to characterize nanomaterials and nanostructures: A review, <i>ANALYTICA CHIMICA ACTA</i> , 1031, 1-14 (2018)
139	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	B. Vial, Y. Hao, Enhanced tunability in ferroelectric composites through local field enhancement and the effect of disorder, <i>JOURNAL OF APPLIED PHYSICS</i> , 126, 044102 (2019)
140	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	Y.Z. Li, Z.J. Wang, Y. Bai, W. Liu, Z.D. Zhang, Enhancement of energy storage density in antiferroelectric PbZrO ₃ films via the incorporation of gold nanoparticles, <i>JOURNAL OF THE AMERICAN CERAMIC SOCIETY</i> , 102, 5253-5261 (2019)
141	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	B. VIAL, Y. HAO, High frequency meta-ferroelectrics by inverse design, <i>OPTICAL MATERIALS EXPRESS</i> , 11, 1457-1469 (2021)
142	A. Cazacu, L. Curecheriu, A. Neagu, L. Padurariu, A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, <i>APPLIED PHYSICS LETTERS</i> , 102, 222903 (2013)	D.D. Yang, R.D. Yang, Y.T. Xu, X.F. Cai, Enhanced crystallization behaviors and dielectric performance of poly(vinylidene fluoride) film by induced polyamide-1, <i>HIGH PERFORMANCE POLYMERS</i> , 33, 1181-1191 (2021)
143	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	Y.F. Shen, G.Z. Liang, L. Yuan, Z.X. Qiang, A.J. Gu, Unique Li _{0.3} Ti _{0.02} Ni _{0.68} O-carbon nanotube hybrids: Synthesis and their epoxy resin composites with remarkably higher dielectric constant and lower dielectric loss, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 602, 16–25 (2014)
144	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	X.L. Chao, P. Wu, Y. Zhao, P.F. Liang, Z.P. Yang, Effect of CaCu ₃ Ti ₄ O ₁₂ powders prepared by the different synthetic methods on dielectric properties of CaCu ₃ Ti ₄ O ₁₂ /polyvinylidene fluoride composites, <i>JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS</i> , 26, 3044-3051 (2015)
145	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	A.H. Avila, M.M. Reboredo, R. Parra, M.S. Castro, Dielectric permittivity calculation of composites based on electrospun barium titanate fibers, <i>MATERIALS RESEARCH EXPRESS</i> , 2, 045302 (2015)
146	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	M.V. Silbin, J. Belovickis, S. Svirskas, M. Ivanov, J. Banys, A.V. Solnyshkin, S.A. Gavrilov, O.V. Varenyk, A.S. Pusenkova, N. Morozovsky, O.V. Varenyk, A.S. Pusenkova, N. Morozovsky, V.V. Shvartsman, A.N. Morozovsky, Polarization reversal in organic-inorganic ferroelectric composites: Modeling and experiment, <i>APPLIED PHYSICS LETTERS</i> , 107, 142907 (2015)
147	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	M. Airimioaei, R. Stanculescu, V. Preutu, C. Ciomaga, N. Horchidan, S. Tascu, D. Lutic, A. Pui, L. Mitoseriu, Effect of particle size and volume fraction of SrTiO ₃ powders on the functional properties of BaTiO ₃ /poly(epsilon-caprolactone) composites, <i>MATERIALS CHEMISTRY AND PHYSICS</i> , 182, 246-255 (2016)
148	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	S. Ahmed, S. Banerjee, U. Sundar, H. Ruiz, S. Kumar, Energy Harvesting: Breakthrough Technologies Through Polymer Composites, <i>SMART POLYMER NANOCOMPOSITES: ENERGY HARVESTING, SELF-HEALING AND SHAPE MEMORY APPLICATIONS</i> , 1-42 (2017)
149	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	S. Banerjee, W. Du, U. Sundar, K.A. Cook-Chennault, Piezoelectric and Dielectric Characterization of MWCNT-Based Nanocomposite Flexible Films, <i>JOURNAL OF NANOMATERIALS</i> , 6939621 (2018)
150	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	Y. Song, W. Li, Y.Q. Chen, F.Z. Li, W.W. Qu, H.M. Wu, A.S. Yerramilli, T.L. Alford, H.W. Zheng, Fabrication of PZT/CuO composite films and their photovoltaic properties, <i>JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY</i> , 87, 285-291 (2018)
151	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	M.A. Omri, M.R. Sanjay, A. Triki, B. Yogesha, A. Kallel, Dielectric properties and interfacial adhesion of jute, kenaf and E-glass fabrics reinforcing epoxy composites, <i>POLYMER COMPOSITES</i> , 40, 2142-2153 (2019)
152	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	H. Wang, H. Cai, W. Zhou, S. Liu, Poly (Vinylidene Fluoride)/Mg Doped CaCu ₃ Ti ₄ O ₁₂ Composites with Improved Dielectric Properties, <i>IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING</i> , 472, 012008 (2019)
153	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	J.D. Bobic, G.F. Teixeira, R. Grigalaitis, S. Gyergyek, M.M.V. Petrovic, M.A. Zaghete, B.D. Stojanovic, PZT–NZF/CF ferrite flexible thick films: Structural, dielectric, ferroelectric, and magnetic characterization, <i>JOURNAL OF ADVANCED CERAMICS</i> , 8, 545-554 (2019)
154	V. Pascariu, <u>L. Padurariu</u> , O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 574, 591–599 (2013)	S. Banerjee, K. A. Cook-Chennault, Polarization Parameters and Scaling Matter-How Processing Environment and Shape Factor Influence Electroactive Nanocomposite Characteristics, <i>JOURNAL OF COMPOSITES SCIENCE</i> , 4, 141 (2020)
155	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, <i>JOURNAL OF APPLIED PHYSICS</i> , 114, 214101 (2013)	L. Amaral, P.M. Vilarinho, A.M.R. Senos, Electrophoretic deposition and constrained sintering of strontium titanate thick films, <i>MATERIALS CHEMISTRY AND PHYSICS</i> , 149-150, 445-452 (2015)
156	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, <i>JOURNAL OF APPLIED PHYSICS</i> , 114, 214101 (2013)	J. Lesueur, D. Bernard, U.-C. Chung, C. Estournès, M. Maglione, C. Elissalde, 3D mapping of anisotropic ferroelectric/dielectric composites, <i>JOURNAL OF THE EUROPEAN CERAMIC SOCIETY</i> , 35, 337-345 (2015)
157	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, <i>JOURNAL OF APPLIED PHYSICS</i> , 114, 214101 (2013)	I.V. Ciuchi, F. Craciun, L. Mitoseriu, C. Galassi, Preparation and properties of La doped PZT 90/10 ceramics across the ferroelectric- antiferroelectric phase boundary, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 646, 16-22 (2015)
158	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic	A. Sakanas, R. Grigalaitis, J. Banys, L. Curecheriu, L. Mitoseriu, V. Buscaglia, Microstructural influence on the broadband dielectric properties of BaTiO ₃ -

	porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 114, 214101 (2013)	Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ core-shell composites: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 118, 174106 (2015)
159	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 114, 214101 (2013)	X.D. Liu, Z.L. Hou, B.X. Zhang, K.T. Zhan, P. He, K.L. Zhang, W.L. Song, A general model of dielectric constant for porous materials, APPLIED PHYSICS LETTERS, 108, 102902 (2016)
160	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 114, 214101 (2013)	B. Zhao, C.X. Zhao, C.D. Wang, C.B. Park, Poly(vinylidene fluoride) foams: a promising low-k dielectric and heat-insulating material, JOURNAL OF MATERIALS CHEMISTRY C, 6, 3065-3073 (2018)
161	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 114, 214101 (2013)	J. Schultheiss, J.I. Roscow, J. Koruza, Orienting anisometric pores in ferroelectrics: Piezoelectric property engineering through local electric field distributions, PHYSICAL REVIEW MATERIALS, 3, 084408 (2019)
162	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 114, 214101 (2013)	Q.Y. Wang, K.C. Xue, P. Fu, F.P. Du, Z.D. Lin, Z. Chen, S.G. Wang, G.M. Wang, Tunable dielectric properties of porous ZnAl ₂ O ₄ ceramics for wave-transmitting devices, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 30, 6475-6481 (2019)
163	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 114, 214101 (2013)	N.H. Khansur, U. Eckstein, M. Sadl, H. Ursic, K.G. Webber, Fabrication of porous, thick films using room-temperature aerosol deposition, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 103, 43-47 (2020)
164	C. Olariu, <u>L. Padurariu</u> , R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu, Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O ₃ ceramics: Experiment and modeling, JOURNAL OF APPLIED PHYSICS, 114, 214101 (2013)	E. Mercadelli, C. Galassi, How to Make Porous Piezoelectrics? Review on Processing Strategies, IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 217-228 (2021)
165	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	A.S. Haddad, D.D.L. Chung, Decreasing the electric permittivity of cement by graphite particle incorporation, CARBON, 122, 702-709 (2017)
166	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	W.L. Huo, Y.G. Chen, Z.J. Zhang, J.J. Liu, S. Yan, J.M. Wu, X.Y. Zhang, J.L. Yang, Highly porous barium strontium titanate (BST) ceramic foams with low dielectric constant from particle-stabilized foams, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 101, 1737-1746 (2018)
167	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	N.R. Nadar, M. Krishana, A.V. Suresh, H.N.N. Murthy, Effect of MWCNTs on piezoelectric and ferroelectric properties of KNN composites, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, 231, 40-56 (2018)
168	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	I. Alam, K. Sa, S. Das, B.V.R.S. Subramanyam, J. Raiguru, B. Samanta, P. Kumar, P. Mahanandia, Dielectric Behavior of PZT/Graphene Oxide Composites, PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, 216, in press (2019)
169	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	N.R. Nadar, M. Krishna, A.V. Suresh, Energy-harvesting enhancement in composites of microwave-exfoliated KNN and multiwall carbon nanotubes, BULLETIN OF MATERIALS SCIENCE, 5, 253 (2019)
170	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	J.A. Oke, D.O. Idisi, S. Sarma, S.J. Moloi, S.C. Ray, K.H. Chen, A. Ghosh, A. Shelke, Electronic, W.F. Pong, Electronic, Electrical, and Magnetic Behavioral Change of SiO ₂ -NP-Decorated MWCNTs, ACS OMEGA, 4, 14589-14598 (2019)
171	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	V.A. Lukacs, R. Stanculescu, L. Curecheriu, C.E. Ciomaga, N. Horchidan, C. Cioclea, L. Mioseriu, Structural and functional properties of BaTiO ₃ porous ceramics produced by using pollen as sacrificial template, CERAMICS INTERNATIONAL, 46, 523-530 (2020)
172	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	C. Vakifahmetoglu, T. Semerci, G.D. Soraru, Closed porosity ceramics and glasses, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 103, 2941-2968 (2020)
173	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	A.K. Gupta, A. Sil, Phase composition and dielectric properties of spark plasma sintered PbZr _{0.52} Ti _{0.48} O ₃ , MATERIALS RESEARCH EXPRESS, 7, 036301 (2020)
174	C. E. Ciomaga, <u>L. Padurariu</u> , L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu, Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, JOURNAL OF APPLIED PHYSICS, 116, 164110 (2014)	Z.Y. Hu, Z.H. Zhang, X.W. Cheng, F.C. Wang, Y.F. Zhang, S.L. Li, A review of multi-physical fields induced phenomena and effects in spark plasma sintering: Fundamentals and applications, MATERIALS & DESIGN, 191, 108662 (2020)
175	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	R.E. Stanculescu, C.E. Ciomaga, N. Horchidan, C. Galassi, F.M. Tufescu, L. Mitoseriu, The influence of post-sintering re-oxidation treatment on dielectric response of dense and porous Ba _{0.70} Sr _{0.30} TiO ₃ ceramics, CERAMICS INTERNATIONAL, 42, 527-536 (2016)
176	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	A. Ianculescu, I. Pintilie, C.A. Vasilescu, M. Botea, A. Iuga, A. Melinescu, N. Dragan, L. Pintilie, Intrinsic pyroelectric properties of thick, coarse grained Ba _{1-x} Sr _x TiO ₃ ceramics, CERAMICS INTERNATIONAL, 42, 10338-10348 (2016)
177	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	Y.P. Cao, S.Y. Li, F. Li, Effect of the sintering temperature on the phase transition behavior and electrical properties of (Ba _{0.8} Sr _{0.2})TiO ₃ ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 27, 8710 (2016)
178	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	R. Khachatryan, S. Zhukov, J. Schulthei, C. Galassi, C. Reimuth, J. Koruza, H. von Seggern, Y. A. Genenko Polarization-switching dynamics in bulk ferroelectrics with isometric and oriented anisometric pores, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 50, 045303 (2017)
179	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	V.S. Puli, D.K. Pradhan, S.Adireddy, D.B. Chrisey, R.S. Katyar, Electric field induced weak ferroelectricity in Ba _{0.70} Sr _{0.30} TiO ₃ , ceramics capacitors, FERROELECTRICS, 516, 133-139 (2017)

180	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	P. Chomyen, R. Potong, R. Rianyoi, A. Ngamjarurojana, P. Chindaprasit, A. Chaipanich, Microstructure, dielectric and piezoelectric properties of 0–3 lead free barium zirconate titanate ceramic-Portland fly ash cement composites, CERAMICS INTERNATIONAL, 44, 76-82 (2018)
181	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	W.L. Huo, Y.G. Chen, Z.J. Zhang, J.J. Liu, S. Yan, J.M. Wu, X.Y. Zhang, J.L. Yang, Highly porous barium strontium titanate (BST) ceramic foams with low dielectric constant from particle-stabilized foams, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 101, 1737-1746 (2018)
182	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	E.W. Yap, J. Glaum, J. Oddershede, J.E. Daniels, Effect of porosity on the ferroelectric and piezoelectric properties of (Ba _{0.85} Ca _{0.15})(Zr _{0.1} Ti _{0.9})O ₃ piezoelectric ceramics, SCRIPTA MATERIALIA, 145, 122-125 (2018)
183	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	S.S. Zhu, W.X. Zhang, J. Zhang, High dielectric acrylonitrile-butadiene rubber with excellent mechanical properties by filling with surface-modified barium/strontium inorganic functional powders, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 29, 6519-6529 (2018)
184	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	H. Zhao, P.P. Wu, L.F. Du, H.L. Du, Effect of the nanopore on ferroelectric domain structures and switching properties, COMPUTATIONAL MATERIALS SCIENCE, 148, 216-223 (2018)
185	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	Y. Zhang, J. Roscow, R. Lewis, H. Khanbareh, V.Y. Topolov, M.Y. Xie, C.R. Bowen, Understanding the effect of porosity on the polarisation-field response of ferroelectric materials, ACTA MATERIALIA, 154, 100-122 (2018)
186	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	M.S. Alkathy, A. Hezam, K.S.D. Manoja J.W. Wang, C. Cheng, K. Byrappa, K.C.J. Raju, Effect of sintering temperature on structural, electrical, and ferroelectric properties of lanthanum and sodium co-substituted barium titanate ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 762, 49-61 (2018)
187	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	S. Dash, H.S. Mohanty, K. Bhoi, R. Kant, A. Kumar, R. Thomas, D.K. Pradhan, Sintering dependent Ca ²⁺ solubility in barium titanate synthesized by sol-gel auto combustion method, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 29, 20820-20831 (2018)
188	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	M. Ahmadipour, M. Arjmand, M.F. Ain, Z.A. Ahmad, S.Y. Pung, Effect of WO ₃ loading on structural, electrical and dielectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramic composites, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 30, 6806-6810 (2019)
189	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	Q.Y. Wang, K.C. Xue, P. Fu, F.P. Du, Z.D. Lin, Z. Chen, S.G. Wang, G.M. Wang, Tunable dielectric properties of porous ZnAl ₂ O ₄ ceramics for wave-transmitting devices, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 30, 6475-6481 (2019)
190	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	T. Zaman, M.K. Islam, M.A. Rahman, A. Hussain, M.A. Matin, M.S. Rahman, Mono and co-substitution of Sr ²⁺ and Ca ²⁺ on the structural, electrical and optical properties of barium titanate ceramics, CERAMICS INTERNATIONAL, 45, 10154-10162 (2019)
191	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	Y.S. Tian, L.J. Cao, Z.J. Chen, Y.S. Gong, Y.T. Tang, Q.S. Jing, Impact mechanism of gel's alkali circumstance on the morphologies and electrical properties of Ba _{0.80} Sr _{0.20} TiO ₃ ceramics, JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, 90, 621-630 (2019)
192	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	G. Martinez-Ayuso, M.I. Friswell, H.H. Khodaparast, J.I. Roscow, C.R. Bowen, Electric field distribution in porous piezoelectric materials during polarization, ACTA MATERIALIA, 173, 332-341 (2019)
193	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	B. Vial, Y. Hao, Enhanced tunability in ferroelectric composites through local field enhancement and the effect of disorder, JOURNAL OF APPLIED PHYSICS, 126, 044102 (2019)
194	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	V.A. Lukacs, R. Stanculescu, L. Curecheriu, C.E. Ciomaga, N. Horchidan, C. Cioclea, L. Mioseriu, Structural and functional properties of BaTiO ₃ porous ceramics produced by using pollen as sacrificial template, CERAMICS INTERNATIONAL, 46, 523-530 (2020)
195	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	J. J. Bowen, L. M. Rueschhoff, K. L. Martin, et al. Tailorable Micelle Morphology in Self-Assembling Block Copolymer Gels for Templating Nanoporous Ceramics, MACROMOLECULES, 53, 7528-7536 (2020)
196	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	Y. Chen, N. Wang, O. Ola, et al. Porous ceramics: Light in weight but heavy in energy and environment technologies, MATERIALS SCIENCE & ENGINEERING R-REPORTS, 143, 100589 (2021)
197	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	N. Horchidan, L. Curecheriu, C. E. Ciomaga, et al. Preparation and Functional Properties of BaTiO ₃ -BaGeO ₃ Ceramics, IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 279-287 (2021)
198	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	A. E. Mahmoud, S. Moeen, M. K. Gerges, Enhancing the tunability properties of pure (Ba,Sr)TiO₃ lead-free ferroelectric by polar nanoregion contributions, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 32, 13248–13260 (2021)
199	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	V. Karol, C. Prakash, A. Sharma, Impact of magnesium content on various properties of Ba(0.95-x)Sr(0.05)MgxTiO(3) ceramic system synthesized by solid state reaction route, MATERIALS CHEMISTRY AND PHYSICS, 271, 124905 (2021)
200	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	E.D. Pinheiro, D. Thenmuhil, Effect of different pore formers on the performance of lead free piezoelectric ceramics, FERROELECTRICS, 583, 162-176 (2021)
201	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	M.Y. Yan, Z.D. Xiao, J.J. Ye, X. Yuan, Z.H. Li, C. Bowen, Y. Zhang, D. Zhang, Porous ferroelectric materials for energy technologies: current status and future perspectives, ENERGY & ENVIRONMENTAL SCIENCE, 14, 6158-6190 (2021)
202	R. Stanculescu, C. E. Ciomaga, <u>L. Padurariu</u> , P. Galizia, N. Horchidan, C. Capiiani, C. Galassi, L. Mitoseriu, Study of the role of porosity on the functional properties of (Ba,Sr)TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 643, 79 (2015)	F. Li, Y.Q. Wang, X. Gao, Y.J. Wang, Preparation of high pore volume gamma-Al(2)O(3) nanorods via "gibbsite-AACH" precursor route in a membrane dispersion microreactor, MICROPOROUS AND MESOPOROUS MATERIALS, 331, 111680 (2022)
203	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element	M. Lei, Reply to Comment on "The Impact of Composite Effect on Dielectric Constant and Tunability in Ferroelectric-Dielectric System", JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 99, 3818 (2016)

	Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	
204	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	O. Condurache, I. Turcan, L. Curecheriu, C. Ciomaga, P. Postolache, G. Ciobanu, L. Mitoseriu, Towards novel functional properties by interface reaction in mixtures of BaTiO ₃ -Fe ₂ O ₃ composite ceramics, CERAMICS INTERNATIONAL, 43, 1098 (2017)
205	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	R. Khachatryan, S. Zhukov, J. Schulthei, C. Galassi, C. Reimuth, J. Koruza, H. von Seggern, Y. A. Genenko, Polarization-switching dynamics in bulk ferroelectrics with isometric and oriented anisometric pores, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 50, 045303 (2017)
206	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	Y. Zhang, M.Y. Xie, J. Roscow, Y.X. Bao, K.C. Zhou, D. Zhang, C.R. Bowen, Enhanced pyroelectric and piezoelectric properties of PZT with aligned porosity for energy harvesting applications, JOURNAL OF MATERIALS CHEMISTRY A, 5, 6569-6580 (2017)
207	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	M. Airimioaei, M.T. Buscaglia, I. Tredici, U. Anselmi-Tamburini, C.E. Ciomaga, L. Curecheriu, A. Bencan, V. Buscaglia, L. Mitoseriu, SrTiO ₃ -BaTiO ₃ nanocomposites with temperature independent permittivity and linear tunability fabricated using field-assisted sintering from chemically synthesized powders, JOURNAL OF MATERIALS CHEMISTRY C, 5, 9028-9036 (2017)
208	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	Y. Shi, Y.P. Pu, Y.F. Cui, Y.J. Luo, Enhanced grain size effect on electrical characteristics of fine-grained BaTiO ₃ ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 28, 13229-13235 (2017)
209	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	J.I. Roscow, Y. Zhang, M.J. Krasny, R.W.C. Lewis, J. Taylor, C.R. Bowen, Freeze cast porous barium titanate for enhanced piezoelectric energy harvesting, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 51, 225301 (2018)
210	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	Z.Y. Liu, H.Q. Fan, J.S. Lu, Y.Q. Mao, Y. Zhao, Tailored dielectric tunability of alkali niobate-based antiferroelectric/relaxor-ferroelectric composites, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 2871-2878 (2018)
211	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	Y. Zhang, J. Roscow, R. Lewis, H. Khanbareh, V.Y. Topolov, M.Y. Xie, C.R. Bowen, Understanding the effect of porosity on the polarisation-field response of ferroelectric materials, ACTA MATERIALIA, 154, 100-122 (2018)
212	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	R. Khachatryan, Y.A. Genenko, Correlated polarization-switching kinetics in bulk polycrystalline ferroelectrics. II. Impact of crystalline phase symmetries, PHYSICAL REVIEW B, 98, 134106 (2018)
213	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	J. Schultheiss, J.I. Roscow, J. Koruza, Orienting anisometric pores in ferroelectrics: Piezoelectric property engineering through local electric field distributions, PHYSICAL REVIEW MATERIALS, 3, 084408 (2019)
214	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	C.E. Ciomaga, A. Guzu, M. Airimioaei, L.P. Curecheriu, V.A. Lukacs, O.G. Avadanei, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Comparative study of magnetoelectric BaTiO ₃ -Co _{0.8} Zn _{0.2} Fe ₂ O ₄ bi-tunable ceramics sintered by Spark Plasma Sintering and classical method, CERAMICS INTERNATIONAL, 45, 24168-24175 (2019)
215	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	V.A. Lukacs, R. Stanculescu, L. Curecheriu, C.E. Ciomaga, N. Horchidan, C. Cioclea, L. Mioseriu, Structural and functional properties of BaTiO ₃ porous ceramics produced by using pollen as sacrificial template, CERAMICS INTERNATIONAL, 46, 523-530 (2020)
216	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	E. Allahyarov, Theoretical Study of Nanocomposite Permittivity with a Tunable Clustering of Inclusions, ADVANCED THEORY AND SIMULATIONS, 3, 2000005 (2020)
217	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	N.H. Khansur, J. Biggeman, M. Stimpf, K. Riess, T. Fey, K.G. Webber, Temperature- and Stress-Dependent Electromechanical Response of Porous Pb(Zr,Ti)O ₃ , ADVANCED ENGINEERING MATERIALS, 22, 2000389 (2020)
218	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	Q.-Q. Ni, X. Guan, Y. Zhu, et al. Nanofiber-based wearable energy harvesters in different body motions, COMPOSITES SCIENCE AND TECHNOLOGY, 200, 108478 (2020)
219	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	V. Myroshnychenko, S. Smirnov, P. M. M. Jose, et al. Nonlinear dielectric properties of random paraelectric-dielectric composites, ACTA MATERIALIA, 203, 116432 (2021)
220	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	N. Horchidan, L. Curecheriu, C. E. Ciomaga, et al. Preparation and Functional Properties of BaTiO ₃ -BaGeO ₃ Ceramics, IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 279-287 (2021)
221	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	P. Yang, W. Peng, K. Xu, et al. Dielectric tunable performance of (BaxCa1-x)(Zr0.2Ti0.8)O-3 ceramics investigated using Landau-Devonshire theory, CERAMICS INTERNATIONAL, 47, 5993-5997 (2021)
222	<u>L. Padurariu</u> , L. P. Curecheriu, L. Mitoseriu, Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, ACTA MATERIALIA, 103, 724 (2016)	P. Yang, W. Peng, K.L. Xu, L.X. Li, S.H. Yu, Dielectric tunable performance of (BaxCa1-x)(Zr0.2Ti0.8)O-3 ceramics investigated using Landau-Devonshire theory, CERAMICS INTERNATIONAL, 47, 5993-5997 (2021)
223	<u>L. Padurariu</u> , L. Mitoseriu, Comment on "The Impact of Composite Effect on Dielectric Constant and Tunability in Ferroelectric-Dielectric System", JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 99, 3816-3817 (2016)	Y. Zhang, J. Roscow, R. Lewis, H. Khanbareh, V.Y. Topolov, M.Y. Xie, C.R. Bowen, Understanding the effect of porosity on the polarisation-field response of ferroelectric materials, ACTA MATERIALIA, 154, 100-122 (2018)
224	<u>L. Padurariu</u> , L. Mitoseriu, Comment on "The Impact of Composite Effect on Dielectric Constant and Tunability in Ferroelectric-Dielectric System", JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 99, 3816-3817 (2016)	V. Myroshnychenko, S. Smirnov, P. M. M. Jose, et al. Nonlinear dielectric properties of random paraelectric-dielectric composites, ACTA MATERIALIA, 203, 116432 (2021)
225	R.E. Stanculescu, N. Horchidan, C. Galassi, M. Asandulesa, <u>L. Padurariu</u> , C.E. Ciomaga, L. Mioseriu, Porous (Ba,Sr)TiO ₃ ceramics for tailoring dielectric and tunability properties: Modelling and experiment, PROCESSING AND APPLICATION OF CERAMICS, 11, 235-246 (2017)	S.T. Dadami, I. Shivaraja, S.K. Deshpande, S. Razaprol, B. Angadi, BiFeO ₃ induced enhancement in multiferroic properties of PbFe _{0.5} Nb _{0.5} O ₃ , CERAMICS INTERNATIONAL, 44, 20446-20456 (2018)
226	R.E. Stanculescu, N. Horchidan, C. Galassi, M. Asandulesa, <u>L. Padurariu</u> , C.E. Ciomaga, L. Mioseriu, Porous (Ba,Sr)TiO ₃ ceramics for tailoring	Q.Y. Wang, K.C. Xue, P. Fu, F.P. Du, Z.D. Lin, Z. Chen, S.G. Wang, G.M. Wang, Tunable dielectric properties of porous ZnAl ₂ O ₄ ceramics for wave-transmitting

	dielectric and tunability properties: Modelling and experiment, PROCESSING AND APPLICATION OF CERAMICS, 11, 235-246 (2017)	devices, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 30, 6475-6481 (2019)
227	R.E. Stanculescu, N. Horchidan, C. Galassi, M. Asandulesa, <u>L. Padurariu</u> , C.E. Ciomaga, L. Mioseriu, Porous (Ba,Sr)TiO ₃ ceramics for tailoring dielectric and tunability properties: Modelling and experiment, PROCESSING AND APPLICATION OF CERAMICS, 11, 235-246 (2017)	A.I. Ali, S. El-Sayed, A. Hassen, Change the ferroelectric properties of Al _{0.01} Ba _{0.99} TiO ₃ ceramics by Al _{0.01} Sr _{0.99} TiO ₃ doping, Results in Physics, 14, 102368 (2019)
228	R.E. Stanculescu, N. Horchidan, C. Galassi, M. Asandulesa, <u>L. Padurariu</u> , C.E. Ciomaga, L. Mioseriu, Porous (Ba,Sr)TiO ₃ ceramics for tailoring dielectric and tunability properties: Modelling and experiment, PROCESSING AND APPLICATION OF CERAMICS, 11, 235-246 (2017)	V.A. Lukacs, R. Stanculescu, L. Curecheriu, C.E. Ciomaga, N. Horchidan, C. Cioclea, L. Mioseriu, Structural and functional properties of BaTiO ₃ porous ceramics produced by using pollen as sacrificial template, CERAMICS INTERNATIONAL, 46, 523-530 (2020)
229	R.E. Stanculescu, N. Horchidan, C. Galassi, M. Asandulesa, <u>L. Padurariu</u> , C.E. Ciomaga, L. Mioseriu, Porous (Ba,Sr)TiO ₃ ceramics for tailoring dielectric and tunability properties: Modelling and experiment, PROCESSING AND APPLICATION OF CERAMICS, 11, 235-246 (2017)	V. Myroshnychenko, S. Smirnov, P. M. M. Jose, et al. Nonlinear dielectric properties of random paraelectric-dielectric composites, ACTA MATERIALIA, 203, 116432 (2021)
230	R.E. Stanculescu, N. Horchidan, C. Galassi, M. Asandulesa, <u>L. Padurariu</u> , C.E. Ciomaga, L. Mioseriu, Porous (Ba,Sr)TiO ₃ ceramics for tailoring dielectric and tunability properties: Modelling and experiment, PROCESSING AND APPLICATION OF CERAMICS, 11, 235-246 (2017)	N. Horchidan, L. Curecheriu, C. E. Ciomaga, et al. Preparation and Functional Properties of BaTiO ₃ -BaGeO ₃ Ceramics, IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 279-287 (2021)
231	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	H. Zhao, P.P. Wu, L.F. Du, H.L. Du, Effect of the nanopore on ferroelectric domain structures and switching properties, COMPUTATIONAL MATERIALS SCIENCE, 148, 216-223 (2018)
232	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	J.I. Roscow, Y. Zhang, M.J. Krasny, R.W.C. Lewis, J. Taylor, C.R. Bowen, Freeze cast porous barium titanate for enhanced piezoelectric energy harvesting, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 51, 225301 (2018)
233	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	Y. Zhang, J. Roscow, R. Lewis, H. Khanbareh, V.Y. Topolov, M.Y. Xie, C.R. Bowen, Understanding the effect of porosity on the polarisation-field response of ferroelectric materials, ACTA MATERIALIA, 154, 100-122 (2018)
234	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	K.A. Khan, M.A. Khan, 3-3 piezoelectric metamaterial with negative and zero Poisson's ratio for hydrophones applications, MATERIALS RESEARCH BULLETIN, 112, 194-204 (2019)
235	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	J. Schultheiss, J.I. Roscow, J. Koruza, Orienting anisometric pores in ferroelectrics: Piezoelectric property engineering through local electric field distributions, PHYSICAL REVIEW MATERIALS, 3, 084408 (2019)
236	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	V.A. Lukacs, R. Stanculescu, L. Curecheriu, C.E. Ciomaga, N. Horchidan, C. Cioclea, L. Mioseriu, Structural and functional properties of BaTiO ₃ porous ceramics produced by using pollen as sacrificial template, CERAMICS INTERNATIONAL, 46, 523-530 (2020)
237	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	A. Chawla, S. Verna, S. Godara, G.R. Bhadur, A. Singh, M. Singh, Understanding Phase Segregation Using Rietveld Analysis and the Dielectric, Ferroelectric Properties of Ba(1-x)CaTiO ₃ Solid Solutions, JOURNAL OF ELECTRONIC MATERIALS, 49, 4111-4122 (2020)
238	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	N. Horchidan, L. Curecheriu, C. E. Ciomaga, et al. Preparation and Functional Properties of BaTiO ₃ -BaGeO ₃ Ceramics, IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 279-287 (2021)
239	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	E. Mercadelli, C. Galassi, How to Make Porous Piezoelectrics? Review on Processing Strategies, IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 217-228 (2021)
240	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	Z. Cai, P. Feng, C. Zhu, et al. Dielectric breakdown behavior of ferroelectric ceramics: The role of pores, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 41, 2533-2538 (2021)
241	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	J.B. Huang, M.W. Yao, X. Yao, A novel approach to improving the electromechanical properties of PZT-based piezoelectric ceramics via a grain coating modification strategy, CERAMICS INTERNATIONAL, 47, 16294-16302 (2021)
242	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	C.M. Xie, H. Zhao, L.F. Du, H.L. Du, P.P. Wu, Enhanced ferroelectricity for nanoporous barium titanate: a phase-field prediction, PHILOSOPHICAL MAGAZINE LETTERS, 101, 341-352 (2021)
243	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	S. Pal, N.S. Das, B. Das, S. Mukhopadhyay, K.K. Chattopadhyay, Calcination Temperature Dependent Dielectric Properties of Nanocrystalline BaSnO ₃ , ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY, 10, 071018 (2021)
244	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	V. Karol, C. Prakash, A. Sharma, Impact of magnesium content on various properties of Ba(0.95-x)Sr(0.05)Mg _x TiO ₃ ceramic system synthesized by solid state reaction route, MATERIALS CHEMISTRY AND PHYSICS, 271, 124905 (2021)
245	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	T. Sebastian, M. Bach, A. Geiger, T. Lusiola, L. Kozielski, F. Clemens, Investigation of Electromechanical Properties on 3-D Printed Piezoelectric Composite Scaffold Structures, MATERIALS, 14, 5927 (2021)
246	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	M.Y. Yan, Z.D. Xiao, J.J. Ye, X. Yuan, Z.H. Li, C. Bowen, Y. Zhang, D. Zhang, Porous ferroelectric materials for energy technologies: current status and future perspectives, ENERGY & ENVIRONMENTAL SCIENCE, 14, 6158-6190 (2021)
247	F. Gheorghiu, <u>L. Padurariu</u> , M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 100, 647-658 (2017)	A.V. Atanova, O.M. Zhigalina, D.N. Khmelinin, G.A. Orlov, D.S. Seregin, A.S. Sigov, K.A. Vorotilov, Microstructure analysis of porous lead zirconate-titanate films, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 105, 639-652 (2022)
248	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	H. Zhao, P.P. Wu, L.F. Du, H.L. Du, Effect of the nanopore on ferroelectric domain structures and switching properties, COMPUTATIONAL MATERIALS SCIENCE, COMPUTATIONAL MATERIALS SCIENCE, 148, 216-223 (2018)
249	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	J.I. Roscow, Y. Zhang, M.J. Krasny, R.W.C. Lewis, J. Taylor, C.R. Bowen, Freeze cast porous barium titanate for enhanced piezoelectric energy harvesting, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 51, 225301 (2018)

250	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	Y. Zhang, J. Roscow, R. Lewis, H. Khanbareh, V.Y. Topolov, M.Y. Xie, C.R. Bowen, Understanding the effect of porosity on the polarisation-field response of ferroelectric materials, ACTA MATERIALIA, 154, 100-122 (2018)
251	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	V.A. Lukacs, R. Stanculescu, L. Curecheriu, C.E. Ciomaga, N. Horchidan, C. Cioclea, L. Mioseriu, Structural and functional properties of BaTiO ₃ porous ceramics produced by using pollen as sacrificial template, CERAMICS INTERNATIONAL, 46, 523-530 (2020)
252	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	A. Chawla, S. Verna, S. Godara, G.R. Bhadu, A. Singh, M. Singh, Understanding Phase Segregation Using Rietveld Analysis and the Dielectric, Ferroelectric Properties of Ba(1-x)CaTiO ₃ Solid Solutions, JOURNAL OF ELECTRONIC MATERIALS, 49, 4111-4122 (2020)
253	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	A. Somvanshi, S. Husain, S. Manzoor, S. Tiwari, M. Fatema, W. Khan, Room temperature dual ferroic behavior induced by (Bi, Ni) co-doping in nanocrystalline Nd _{0.7} Bi _{0.3} Fe _{1-x} Ni _x O ₃ (0 ≤ x ≤ 0.3), JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 31, 11010-11020 (2020)
254	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	N. Horchidan, L. Curecheriu, C. E. Ciomaga, et al. Preparation and Functional Properties of BaTiO ₃ -BaGeO ₃ Ceramics, IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 279-287 (2021)
255	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	S. Kumari, A. Kumar, V. Kuma, et al. Structural, dielectric and ferroelectric properties of Cu ²⁺ - and Cu ²⁺ /Bi ³⁺ -doped BCZT lead-free ceramics: a comparative study, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 32, 16900-16915 (2021)
256	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	V. Karol, C.Prakas, A. Sharma, Impact of magnesium content on various properties of Ba(0.95-x)Sr(0.05)Mg _x TiO(3) ceramic system synthesized by solid state reaction route, MATERIALS CHEMISTRY AND PHYSICS, 271, 124905 (2021)
257	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	H.M. Yaun, M.C. Looms, L. Nielsen, Rock-physics characterization of chalk by combining acoustic and electromagnetic properties, GEOPHYSICS, 87, MR1-MR11 (2022)
258	C. Padurariu, <u>L. Padurariu</u> , L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu, Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, CERAMICS INTERNATIONAL, 43, 5767-5773 (2017)	J.I. Roscow, Y. Li, D.A. Hall, Residual stress and domain switching in freeze cast porous barium titanate, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 42, 1434-1444 (2022)
259	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	Z.B. Pan, S. Xing, H.T. Jiang, J.J. Liu, S.W. Huang, J.W. Zhai, Highly enhanced discharged energy density of polymer nanocomposites via a novel hybrid structure as fillers, JOURNAL OF MATERIALS CHEMISTRY A, 7, 15347-15355 (2019)
260	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	G. Liu, Y. Li, M. Shi, L. Yu, P. Chen, K. Yu, Y. Yan, L. Jin, D. Wang, J. Gao, An investigation of the dielectric energy storage performance of Bi(Mg ₂ /3Nb _{1/3})O ₃ -modified BaTiO ₃ Pb-free bulk ceramics with improved temperature/frequency stability, CERAMICS INTERNATIONAL, 45, 19189-19196 (2019)
261	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	W. Wang, M. Zhang, L. Xin, S. Shen, J. Zhai, Effect of percolation characteristics and ion diffusion on dielectric properties of ferroelectric-dielectric composite ceramics, CERAMICS INTERNATIONAL, 46, 945-949 (2020)
262	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	V.A. Lukacs, R. Stanculescu, L. Curecheriu, C.E. Ciomaga, N. Horchidan, C. Cioclea, L. Mioseriu, Structural and functional properties of BaTiO ₃ porous ceramics produced by using pollen as sacrificial template, CERAMICS INTERNATIONAL, 46, 523-530 (2020)
263	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	R. Davodi, M. Ardestani, A. Kazemi, Sinterability and Characterization of Ag/Al ₂ O ₃ Metal and Ceramic Matrix Composites Processed by Mechanical Milling, SCIENCE OF SINTERING, 52, 245-255 (2020)
264	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	A. Jain, A. K. Panwar, Synergetic effect of rare-earths doping on the microstructural and electrical properties of Sr and Ca co-doped BaTiO ₃ nanoparticles, CERAMICS INTERNATIONAL, 46, 10270-10278 (2020)
265	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	G. Liu, Y. Li, J.H.Gao, D.Q. Li, L.J. Yu, J. Dong, T.T. Zhang, Y. Yan, B.Y. Fan, X.Y. Liu, L. Jin, Structure evolution, ferroelectric properties, and energy storage performance of CaSnO ₃ modified BaTiO ₃ -based Pb-free ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 826, 154160 (2020)
266	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	X. Guo, Y.P. Pu, W. Wang, J.M. Liu, J.W. Li, M.D. Yang, R.K. Shi, Defect chemistry and colossal dielectric behavior of Nd-modified SrTiO ₃ lead-free ceramic materials, CERAMICS INTERNATIONAL, 46, 16644-16652 (2020)
267	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	W.J. Ma, K. Yang, H.Y. Wang, H.F. Li, Poly(vinylidene fluoride-co-hexafluoropropylene)-MXene Nanosheet Composites for Microcapacitors, ACS APPLIED NANO MATERIALS, 3, 7992-8003 (2020)
268	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	T. Wittinanon, R. Rianyo, A. Chaipanich, Effect of polyvinylidene fluoride on the fracture microstructure characteristics and piezoelectric and mechanical properties of 0-3 barium zirconate titanate ceramic-cement composites, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 4886-4893 (2020)
269	I. Turcan, V.A. Lukacs, L. Curecheriu, <u>L. Padurariu</u> , C.E. Ciomaga, M. Airiomioaei, G. Stoian, N. Lupu, L. Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 38, 5420-5429 (2018)	A. Tozri, E. Dhahri, High-temperature dielectric behavior of hexagonal HoMnO ₃ , JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, 152, 109960 (2021)
270	A. Guzu, C.E. Ciomaga, M. Airiomioaei, <u>L. Padurariu</u> , L.P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, JOURNAL OF ALLOYS AND COMPOUNDS, 796, 55-64 (2019)	C.E. Ciomaga, A. Guzu, M. Airiomioaei, L.P. Curecheriu, V.A. Lukacs, O.G. Avadanei, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Comparative study of magnetoelectric BaTiO ₃ -Co _{0.8} Zn _{0.2} Fe ₂ O ₄ bi-tunable ceramics sintered by Spark Plasma Sintering and classical method, CERAMICS INTERNATIONAL, 45, 24168-24175 (2019)
271	A. Guzu, C.E. Ciomaga, M. Airiomioaei, <u>L. Padurariu</u> , L.P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, JOURNAL OF ALLOYS AND COMPOUNDS, 796, 55-64 (2019)	B.C. Keswani, S.I. Patil, A.R. James, R.C. Nath, R. Boomishankar, Y.D. Kolekar, C.V. Ramana, Structural, magnetic and ferroelectric properties of lead free piezoelectric 0.9(0.45Ba _{0.7} Ca _{0.3} TiO ₃ -0.55BaTi _{0.8} Zr _{0.2} O ₃) and magnetoelectric 0.1(Co _{0.7} Mn _{0.3} Fe _{1.95} Dy _{0.05} O ₄) magnetoelectric particulate composite, JOURNAL OF APPLIED PHYSICS, 126, 224101 (2019)
272	A. Guzu, C.E. Ciomaga, M. Airiomioaei, <u>L. Padurariu</u> , L.P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, JOURNAL OF ALLOYS AND COMPOUNDS, 796, 55-64 (2019)	V.V. Mitic, G. Lazovic, C.A. Lu, V. Paunovic, I. Radovic, A. Stajic, B. Vlahovic, The Nano-Scale Modified BaTiO ₃ Morphology Influence on Electronic Properties and Ceramics Fractal Nature Frontiers, APPLIED SCIENCES-BASEL, 10, 3485 (2020)

273	A. Guzu, C.E. Ciomaga, M. Airiomioaei, <u>L. Padurariu</u> , L.P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, JOURNAL OF ALLOYS AND COMPOUNDS, 796, 55-64 (2019)	P. Pahuja, R. P. Tandon, Latest advancement in magnetoelectric multiferroic composites, FERROELECTRICS, 569, 108-121 (2020)
274	A. Guzu, C.E. Ciomaga, M. Airiomioaei, <u>L. Padurariu</u> , L.P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, JOURNAL OF ALLOYS AND COMPOUNDS, 796, 55-64 (2019)	B. M.; Randjelovic, V. V. Mitic, S. Ribar, et al. Ceramics, materials, microelectronics and graph theory new frontiers, MODERN PHYSICS LETTERS B, 34, 2150159 (2020)
275	A. Guzu, C.E. Ciomaga, M. Airiomioaei, <u>L. Padurariu</u> , L.P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, JOURNAL OF ALLOYS AND COMPOUNDS, 796, 55-64 (2019)	S. Hossain, Computational modeling of poled and unpoled barium titanate to determine the influence of relative permittivity and piezoelectric constant, FERROELECTRICS, 577, 13-23 (2021)
276	A. Guzu, C.E. Ciomaga, M. Airiomioaei, <u>L. Padurariu</u> , L.P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, JOURNAL OF ALLOYS AND COMPOUNDS, 796, 55-64 (2019)	Z.J. Zhou, C.Y. You, F. Li, N. Tian, Y. Chen, Q. Chen, Exploring the impact of CoFe ₂ O ₄ additives morphology on the properties of a novel strain-rate sensitive composite material, SMART MATERIALS AND STRUCTURES, 30, 085014 (2021)
277	A. Guzu, C.E. Ciomaga, M. Airiomioaei, <u>L. Padurariu</u> , L.P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, JOURNAL OF ALLOYS AND COMPOUNDS, 796, 55-64 (2019)	C.Y. Li, J. Zhang, Y. Yuan, H.M. Zhang, X. Yan, Q. Zhao, Y.H. Lin, A simple and low-cost method of preparing CoFe ₂ O ₄ /Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ composite ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, <i>in press</i> (2022)
278	V.A. Lukacs, I. Turcan, <u>L. Padurariu</u> , L. Curecheriu, A. Cernescu, G. Stoian, C.E. Ciomaga, F. Tufescu, N. Lupu, L. Mitoseriu, Nonlinear dielectric properties of BaTiO ₃ - Silver composites: The role of microstructure, JOURNAL OF ALLOYS AND COMPOUNDS, 817, 153336 (2020)	R.L. Gao, X.F. Qin, H.L. Duan, H. wu, R.C. Xu, Q.W. Zhang, S.L. Zhang, Z.D. Li, Dielectric and multiferroic properties of 0.8BaTiO ₃ (3)-0.2BiAlO ₃ (3)/Co(0.8)Cu(0.2)Fe ₂ O ₄ composite ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 31, 13730-13745 (2020)
279	V.A. Lukacs, I. Turcan, <u>L. Padurariu</u> , L. Curecheriu, A. Cernescu, G. Stoian, C.E. Ciomaga, F. Tufescu, N. Lupu, L. Mitoseriu, Nonlinear dielectric properties of BaTiO ₃ - Silver composites: The role of microstructure, JOURNAL OF ALLOYS AND COMPOUNDS, 817, 153336 (2020)	W.M. Zhong, Q.X. Liu, Y.P. Jiang, M.L. Deng, W.P. Li, X.G. Tang, Ultra-high dielectric tuning performance and double-set resistive switching effect achieved on the Bi ₂ NiMnO ₆ thin film prepared by sol-gel method, JOURNAL OF COLLOID AND INTERFACE SCIENCE, 606, 913-919 (2022)
280	N. Horchidan, <u>L. Padurariu</u> , C.E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Doroftei, F. Tufescu, L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO ₃ - based ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 1258-1268 (2020)	B. C. Das, M. A. Matin, A. K. M. A. Hossain, Rietveld refinement structure, electric, dielectric and ferroelectric properties of lead-free Ba _{0.985} Sr _{0.015} Zr _{0.10} Ti _{0.90} O ₃ ceramics, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 32, 4916-4936 (2021)
281	N. Horchidan, <u>L. Padurariu</u> , C.E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Doroftei, F. Tufescu, L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO ₃ - based ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 1258-1268 (2020)	N. Horchidan, L. Curecheriu, C. E. Ciomaga, et al. Preparation and Functional Properties of BaTiO ₃ -BaGeO ₃ Ceramics, IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 279-287 (2021)
282	N. Horchidan, <u>L. Padurariu</u> , C.E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Doroftei, F. Tufescu, L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO ₃ - based ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 1258-1268 (2020)	Y. Jia, F. Luo, X. Hao, et al. Intrinsic Valley Polarization and High-Temperature Ferroelectricity in Two-Dimensional Orthorhombic Lead Oxide, ACS APPLIED MATERIALS & INTERFACES, 13, 6480-6488 (2021)
283	N. Horchidan, <u>L. Padurariu</u> , C.E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Doroftei, F. Tufescu, L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO ₃ - based ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 1258-1268 (2020)	E. P. Rubavathi, M. T. Rahul, Nandakumar. Kalarikkal, et al. Enrichment of magnetoelectric effect in the hexagonal BaTi _{1-x} CoxO ₃ artificial type-II multiferroics by defects, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 529, 167927 (2021)
284	N. Horchidan, <u>L. Padurariu</u> , C.E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Doroftei, F. Tufescu, L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO ₃ - based ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 1258-1268 (2020)	Q. Wang, H.Z. Yan, X. Zhao, C.M. Wang, Polymorphic Phase Transition and Piezoelectric Performance of BaTiO ₃ -CaSnO ₃ Solid Solutions, ACTUATORS, 10, 129 (2021)
285	N. Horchidan, <u>L. Padurariu</u> , C.E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Doroftei, F. Tufescu, L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO ₃ - based ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 1258-1268 (2020)	P.E. Rubavathi, M.T. Rahul, N. Kalarikkal, G. Das Adhikary, B. Sundarakannan, Enrichment of magnetoelectric effect in the hexagonal BaTi _{1-x} CoxO ₃ artificial type-II multiferroics by defects, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 529, 167927 (2021)
286	N. Horchidan, <u>L. Padurariu</u> , C.E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Doroftei, F. Tufescu, L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO ₃ - based ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 1258-1268 (2020)	A.Bush, V. Kozlov, A. Stepanov, V. Sirotkin, Solid solutions of the (1-x)Ba(Ti _{0.50} Sn _{0.50})O ₃ center dot xPbTiO ₃ system: Preparation, structural and dielectric characterization, CERAMICS INTERNATIONAL, 47, 32243-32251 (2021)
287	N. Horchidan, <u>L. Padurariu</u> , C.E. Ciomaga, L. Curecheriu, M. Airimioaei, F. Doroftei, F. Tufescu, L. Mitoseriu, Room temperature phase superposition as origin of enhanced functional properties in BaTiO ₃ - based ceramics, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40, 1258-1268 (2020)	W.F. Liu, Y. Zhao, J.H. Jin, F.Y. Kong, J.H. Gao, S.T. Li, Enhanced dielectric tunability and reduced dielectric loss in the La/Fe co-doped Ba _{0.65} Sr _{0.35} TiO ₃ ceramics, JOURNAL OF ALLOYS AND COMPOUNDS, 901, 163642 (2022)
288	L. Curecheriu, V.A. Lukacs, <u>L. Padurariu</u> , G. Stoian, C.E. Ciomaga, Effect of Porosity on Functional Properties of Lead-Free Piezoelectric BaZr(0.15)Ti(0.85)O(3) Porous Ceramics, MATERIALS, 13, 3324 (2020)	S. Singh, P. Singh, O. Parkash, D. Kumar, Studies on diffuse phase transition in Co- and La-doped BaTi _{0.85} Sn _{0.15} O ₃ , JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 32, 16494-16504 (2021)
289	L. Curecheriu, V.A. Lukacs, <u>L. Padurariu</u> , G. Stoian, C.E. Ciomaga, Effect of Porosity on Functional Properties of Lead-Free Piezoelectric BaZr(0.15)Ti(0.85)O(3) Porous Ceramics, MATERIALS, 13, 3324 (2020)	C.J. Wu, M.W. Yao, Dielectric tunable characteristics of compositional-gradient BaTi _{1-x} SnxO ₃ thin films, JOURNAL OF ADVANCED DIELECTRICS, 11, 2150019 (2021)
290	L. Curecheriu, V.A. Lukacs, <u>L. Padurariu</u> , G. Stoian, C.E. Ciomaga, Effect of Porosity on Functional Properties of Lead-Free Piezoelectric BaZr(0.15)Ti(0.85)O(3) Porous Ceramics, MATERIALS, 13, 3324 (2020)	E.D. Pinheiro, D. Thenmuhil, Effect of different pore formers on the performance of lead free piezoelectric ceramics, FERROELECTRICS, 583, 162-176 (2021)
291	L. Curecheriu, V.A. Lukacs, <u>L. Padurariu</u> , G. Stoian, C.E. Ciomaga, Effect of Porosity on Functional Properties of Lead-Free Piezoelectric BaZr(0.15)Ti(0.85)O(3) Porous Ceramics, MATERIALS, 13, 3324 (2020)	M.Y. Yan, Z.D. Xiao, J.J. Ye, X. Yaun, Z.H. Li, C. Bowen, Y. Zhang, D. Zhang, Porous ferroelectric materials for energy technologies: current status and future perspectives, ENERGY & ENVIRONMENTAL SCIENCE, 14, 6158-6190 (2021)
292	L. Curecheriu, V.A. Lukacs, <u>L. Padurariu</u> , G. Stoian, C.E. Ciomaga, Effect of Porosity on Functional Properties of Lead-Free Piezoelectric BaZr(0.15)Ti(0.85)O(3) Porous Ceramics, MATERIALS, 13, 3324 (2020)	A. Prasathkethagarn, T. Sareein, N. Triamnak, R. Yimnirun, Dielectric and ferroelectric properties of modified-BaTiO ₃ lead-free ceramics prepared by solid solution method, FERROELECTRICS, 586, 224-241 (2022)
293	<u>L. Padurariu</u> , V.A. Lukacs, G. Stoian, N. Lupu, L.P. Curecheriu, Scale-Dependent Dielectric Properties in BaZr _{0.05} Ti _{0.95} O ₃ Ceramics, MATERIALS, 13, 4386 (2020)	M. D. Coulibaly, C. Borderon, R. Renoud, et al. Effect of zirconium hydrolysis degree on the dielectric properties of PbZrO ₃ , JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 32, 15964-15970 (2021)
294	<u>L. Padurariu</u> , V.A. Lukacs, G. Stoian, N. Lupu, L.P. Curecheriu, Scale-Dependent Dielectric Properties in BaZr _{0.05} Ti _{0.95} O ₃ Ceramics, MATERIALS, 13, 4386 (2020)	S.M. Chaar, J.P. da Silva, F.X. Nobre, J. Passos, L. Aguilera, J.H.L. Silva, R.S. Silva, F. Guerrero, F.M. Pontes, Y. Leyer, Sonochemical Synthesis and Characterization of

		the Biphasic Compound Na ₂ Ti ₃ O ₇ /Na ₂ Ti ₆ O ₁₃ , MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS, 24, e20210011 (2021)
295	<u>L. Padurariu</u> , V.A. Lukacs, G. Stoian, N. Lupu, L.P. Curecheriu, Scale-Dependent Dielectric Properties in BaZr _{0.05} Ti _{0.95} O ₃ Ceramics, MATERIALS, 13, 4386 (2020)	J.P. da Silva, M.M. Biondo, F.X. Nobre, et al. Structure and electrical properties of the composite Na ₂ Ti ₃ O ₇ / Na ₂ Ti ₆ O ₁₃ /POMA: A study of the effect of adding POMA, JOURNAL OF ALLOYS AND COMPOUNDS, 867, 159025 (2021)
296	V.A. Lukacs, G. Caruntu, O. Condurache, C.E. Ciomaga, L.P. Curecheriu, <u>L. Padurariu</u> , M. Ignat, M. Airimioaei, G. Stoian, A. Rotaru, L. Mitoseriu, Preparation and properties of porous BaTiO ₃ nanostructured ceramics produced from cuboidal nanocrystals, CERAMICS INTERNATIONAL, 47, 18105-18115 (2021)	M.Y. Yan, Z.D. Xiao, J.J. Ye, X. Yaun, Z.H. Li, C. Bowen, Y. Zhang, D. Zhang, Porous ferroelectric materials for energy technologies: current status and future perspectives, ENERGY & ENVIRONMENTAL SCIENCE, 14, 6158-6190 (2021)
297	V.A. Lukacs, G. Caruntu, O. Condurache, C.E. Ciomaga, L.P. Curecheriu, L. Padurariu, M. Ignat, M. Airimioaei, G. Stoian, A. Rotaru, L. Mitoseriu, Preparation and properties of porous BaTiO ₃ nanostructured ceramics produced from cuboidal nanocrystals, CERAMICS INTERNATIONAL, 47, 18105-18115 (2021)	K. Co, S.P. Alpay, S. Nakhmanson, J. Mangeri, Surface charge mediated polar response in ferroelectric nanoparticles, APPLIED PHYSICS LETTERS, 119, 262903 (2022)
298	<u>L. Padurariu</u> , L.P. Curecheriu, C.E. Ciomaga, M. Airimioaei, N. Horchidan, C. Cioclea, V.A. Lukacs, R.S. Stirbu, L. Mitoseriu, Modifications of structural, dielectric and ferroelectric properties induced by porosity in BaTiO ₃ ceramics with phase coexistence, JOURNAL OF ALLOYS AND COMPOUNDS, 889, 161699 (2021)	J.I. Roscow, Y. Li, D.A. Hall, Residual stress and domain switching in freeze cast porous barium titanate, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 42, 1434-1444 (2022)