Curriculum vitae			
Informații personale			
Nume / Prenume	**Stoleriu Laurențiu**		
Titlu didactic	**Conferențiar**		
Titlu științific/Data obținerii/Instituția	**Doctor abilitat / 2014** **Doctor în fizică / 2002 / Universitatea Al. I. Cuza, Iași**		
Adresa	Facultatea de Fizică, Blvd. Carol I, 11, cod 700506, Iași, Romania		
Telefon	0232 201175	Mobil:	
Fax	0232 201205		
E-mail	LSTOLER@UAIC.RO		
Cetățenia	Română		
Locul si Data nașterii	Iași, 02/06/1972		
Locul de muncă actual / funcția	**Universitatea Al. I. Cuza, Iași**		
Experiența profesională / Poziții didactice în învățământ / Instituția și perioada	- asistent cercetare, Univ. Al. I. Cuza, 07.10.1996 – 30.09.1998 - asistent universitar, Univ. Al. I. Cuza, 01.10.1998 – 18.02.2001 - lector universitar asociat, Univ. Al. I. Cuza, 19.02.2001 – 24.02.2002 - lector universitar, Univ. Al. I. Cuza, 25.02.2002 – 30.09.2007 - conferențiar universitar, Univ. Al. I. Cuza, 01.10.2007 – …		
Limbi străine cunoscute			
Autoevaluare	**Scris**	**Citit**	**Nivel conversațional**
Engleza	5	5	5
Franceza	2	4	4
Chineza	1	1	1
	1 – nivel minim; 5 – nivel avansat		
Competențe profesionale	Cursuri predate / Seminarii / Laboratoare organizate Cursuri seminarii şi laboratoare începând din 1998: Programare paralelă (curs, lab.) Limbaje de programare (curs) Modelarea proceselor fizice (curs, lab.) Introducere in modelarea proceselor fizice (curs, lab.) Tehnologii informaționale în educație (curs, lab.) Programarea calculatoarelor, limbajele C şi C++ (curs, lab.) Programe utilitare sub Windows (curs, lab.) Electricitate şi magnetism (sem., lab.) Electricitate şi magnetism (sem., lab., în limba engleză) Baze de date (curs, lab.) Utilizarea calculatorului în predarea fizicii (curs, lab.) Tehnologii multimedia (curs, lab.)		
Competențe și aptitudini organizatorice	- 20 ani vechime în învățământul superior şi cercetare - Expert ARACIS, comisia 13 ID-IFR - Expert evaluator CNCSIS 2004, 2005, 2006, 2009, 2010 - Experienţă în <<peer reviewing>> dobândită prin activitate de referent ştiinţific pentru zeci de conferinţe / lucrări - Membru în comitetul de organizare al conferinţei IEEE ROMSC 2005 - 2016		
Activitatea didactica	- Cărţi: - L. Stoleriu, Al. Stancu, „Modelarea şi simularea proceselor fizice”, Ed. TEHNOPRESS, Iaşi, 2007 - A. Stancu, L. Stoleriu, Preisach Modeling and FORC characterization for hysteretic phenomena in ferroics „New developments in advanced functional ceramics”, Transworld Research Network, pp. 267-292, 2007 - A. Stancu, L. Stoleriu, M. Cerchez, D. Cimpoesu, P. Postolache, R. Tanasa The Preisach Model for Patterned Media “Preisach memorial book”, Akadémiai Kiadó, Budapest, pp. 143-153, 2005		

Activitatea de cercetare științifică	a) Domenii de competenta/ numar de lucrari publicate **79 lucrari ISI** **35 puncte ISI** (individuale) b) Publicatii (cinci dintre cele mai valoroase articole publicate). - Bertoni, R; Lorenc, M; Cailleau, H; Tissot, A; Laisney, J; Boillot, ML; Stoleriu, L; Stancu, A; Enachescu, C; Collet, E Elastically driven cooperative response of a molecular material impacted by a laser pulse, *NATURE MATERIALS* Vol.: 15(6), p. 606, 2016 - Enachescu, C; Stoleriu, L; Stancu, A; Hauser, A Model for Elastic Relaxation Phenomena in Finite 2D Hexagonal Molecular Lattices, *PHYSICAL REVIEW LETTERS*, Vol.: 102(25), Art.: 257204, 2009. - Stoleriu, L; Stancu, A; Mitoseriu, L; Piazza, D; Galassi, C Analysis of the switching properties of porous ferroelectric ceramics by means of the First-order Reversal Curves (FORC) diagrams, *PHYSICAL REVIEW B*, Vol 99(8), Art.: 08D702, 2006. - Stoleriu, L; Andrei, P; Stancu, A First order reversal curves identification procedures for vector models of hysteresis, *JOURNAL OF APPLIED PHYSICS,* Vol.: 103(7), Art.: 07D923, 2008. - Stancu, A; Andrei, P; Stoleriu, L; Magnetic characterization of samples using first- and second-order reversal curve diagrams, *JOURNAL OF APPLIED PHYSICS*, 99(8): Art. No. 08D702. 2006, c) Contracte de cercetare stiintifica (numar total si doua titluri din ultimii cinci ani) - Membru în echipa unui program FP6: - MAGMANET (MOLECULAR APPROACH TO NANOMAGNETS AND MULTIFUNCTIONAL MATERIALS), Rețea de Excelență Europeană (Network of Excellence) - Director de proiect: - High performance computing of advanced magnetic structures designed for tomorrow's memories and sensors, CNCS TE, 2012-2014 - Studiul comutarii rapide (comutare balistica) a momentelor magnetice in sisteme feromagnetice nanometrice cu aplicatii la medii moderne de inregistrare magnetica, CNCSIS AT, 2007 - Studiu experimental şi teoretic al proceselor fizice însoţite de histerezis în materiale feromagnetice, feroelectrice şi cu tranziţie de spin, MEdC-ANCS CEEX-tineri, 130.000 RON in 2005-2007 - Membru în echipa a 24 contracte de cercetare. d) Citari ISI ale articolelor (excluzand autocitarile)/Numar citari >**500 citări ISI**
Prezentări orale, invitate / plenare în ultimii ani	- Laurenţiu Stoleriu, Ciprian Pînzaru, Alexandru Stancu, "Micromagnetic analysis of mechanical stress effect on magnetic fomain structure of amorphous wires", FC03, Intermag Conference, 2012, Vancouver, Canada. - Laurenţiu Stoleriu, Cristian Enăchescu, "Study of cluster evolution in 3D spin crossover compounds in the framework of an elastic model", EcostBio Meeting, 2015, Belgrade, Serbia. - Laurenţiu Stoleriu, Alexandru Stancu, "Micromagnetic and FORC analysis of antidot ferromagnetic arrays", Advances in Magnetics Conference, 2016, Bormio, Italy. - Laurenţiu Stoleriu, Alexandru Stancu, Cristian Enăchescu, "Modeling spin crossover compounds – from quasistatic hysteresis to femtosecond elastic response" (invited), TIM 15-16 Conference, 2016, Timişoara, Romania.

Lista lucrărilor ISI şi a citărilor în reviste ISI

[1] Elastically driven cooperative response of a molecular material impacted by a laser pulse
By: Bertoni, Roman; Lorenc, Maciej; Cailleau, Herve; Tissot, Antoine; Laisney, Jerome; Boillot, Marie-Laure; Stoleriu, Laurentiu; Stancu, Alexandru; Enachescu, Cristian; Collet, Eric
NATURE MATERIALS Volume: 15 Issue: 6 Pages: 606-610 Published: JUN 2016

[2] Structural, optical and magnetic properties of Ni doped SnO2 nanoparticles
By: Pascariu (Dorneanu), Petronela; Airinei, Anton; Grigoras, Mircea; Fifere, Nicusor; Sacarescu, Liviu; Lupu, Nicoleta; Stoleriu, Laurentiu
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 668 Pages: 65-72 Published: MAY 25 2016

[3] Shape anisotropy in zero-magnetostrictive rapidly solidified amorphous nanowires
By: Rotarescu, C.; Atitoaie, A.; Stoleriu, L.; Ovari, T-A; Lupu, N.; Chiriac, H.
Conference: 10th International Symposium on Hysteresis Modeling and Micromagnetics (HMM) Location: Alexandru Ioan Cuza Univ, Iasi, ROMANIA Date: MAY 18-20, 2015
PHYSICA B-CONDENSED MATTER Volume: 486 Pages: 73-76 Published: APR 1 2016

[4] Thermal hysteresis kinetic effects of spin crossover nanoparticulated systems studied by FORC diagram method on an Ising-like model
By: Atitoaie, Alexandru; Stoleriu, Laurentiu; Tanasa, Radu; Stancu, Alexandru; Enachescu, Cristian
Conference: 10th International Symposium on Hysteresis Modeling and Micromagnetics (HMM) Location: Alexandru Ioan Cuza Univ, Iasi, ROMANIA Date: MAY 18-20, 2015
PHYSICA B-CONDENSED MATTER Volume: 486 Pages: 138-141 Published: APR 1 2016

[5] Analysis of first order reversal curves in the thermal hysteresis of spin-crossover nanoparticles within the mechanoelastic model
By: Stoleriu, Laurentiu; Stancu, Alexandru; Chakraborty, Pradip; Hauser, Andreas; Enachescu, Cristian
JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 17 Article Number: 17B307 DOI: 10.1063/1.4914953 Published: MAY 2015

[5.1] Hysteretic behavior of spin-crossover noise driven system
By: Gudyma, Iurii; Maksymov, Artur; Dimian, Mihai
PHYSICA B-CONDENSED MATTER Volume: 486 Pages: 44-47 Published: APR 1 2016

[6] Micromagnetic Evaluation of Size Effects on the Critical Curves of Synthetic Antiferromagnetic Structures
By: Pinzaru, Ciprian; Stoleriu, Laurentiu; Stancu, Alexandru
IEEE TRANSACTIONS ON MAGNETICS Volume: 50 Issue: 7 Article Number: 7100405 Part: 2 Published: JUL 2014

[7] Effect of damping on the laser induced ultrafast switching in rare earth-transition metal alloys
By: Oniciuc, E.; Stoleriu, L.; Cimpoesu, D.; Stancu, A.
APPLIED PHYSICS LETTERS Volume: 104 Issue: 22 Article Number: 222404 DOI: 10.1063/1.4881135 Published: JUN 2014

[7.1] Laser-Induced Magnetization Dynamics of GdFeCo Film Probing by Time Resolved Magneto-Optic Kerr Effect
By: He, Wei; Wu, Hong-Ye; Cai, Jian-Wang; et al.
SPIN Volume: 5 Issue: 4 Special Issue: SI Article Number: 1540014 Published: DEC 2015

[7.2] Optimal electron, phonon, and magnetic characteristics for low energy thermally induced magnetization switching
By: Atxitia, U.; Ostler, T. A.; Chantrell, R. W.; et al.
APPLIED PHYSICS LETTERS Volume: 107 Issue: 19 Article Number: 192402 Published: NOV 9 2015

[8] LLB simulation of the temperature dependent switching critical curve of a Stoner-Wohlfarth macrospin in the presence of a polarized current
By: Oniciuc, E.; Stoleriu, L.; Stancu, A.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 352 Pages: 99-106 Published: FEB 2014

[9] Generalized Stoner-Wohlfarth model accurately describing the switching processes in pseudo-single ferromagnetic particles
By: Cimpoesu, D.; Stoleriu, L.; Stancu, A.
JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 22 Article Number: 223901 DOI: 10.1063/1.4839895 Published: DEC 2013

[9.1] Vector Magnetization of a Distribution of Uniaxial Particles
By: Della Torre, Edward; Jamali, Ali; ElBidweihy, Hatem; et al.
Conference: 13th Joint Magnetism and Magnetic Materials (MMM)/Intermag Conference Location: San Diego, CA Date: JAN 11-15, 2016
Sponsor(s): Amer Inst Phys; IEEE Magnet soc
IEEE TRANSACTIONS ON MAGNETICS Volume: 52 Issue: 7 Article Number: 7300904 Published: JUL 2016

[9.2] A device model framework for magnetoresistive sensors based on the Stoner-Wohlfarth model
By: Bruckner, Florian; Bergmair, Bernhard; Brueckl, Hubert; et al.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 381 Pages: 344-349 Published: MAY 1 2015

[10] Magnetization reversal in triangular L1(0)-FePt nanoislands
By: Markou, A.; Beltsios, K. G.; Gergidis, L. N.; Panagiotopoulos, I.; Bakas, T.; Ellinas, K.; Tserepi, A.; Stoleriu, L.; Tanasa, R.; Stancu, A.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 344 Pages: 224-229 DOI: 10.1016/j.jmmm.2013.06.009 Published: OCT 2013

[11] Angular resonant absorption curves in magnetic nanowire arrays
By: Cimpoesu, Dorin; Ding, Junjia; Stoleriu, Laurentiu; Adeyeye, Adekunle; Stancu, Alexandru; Spinu, Leonard
APPLIED PHYSICS LETTERS Volume: 102 Issue: 23 Article Number: 232401 DOI: 10.1063/1.4810758 Published: JUN 2013

[11.1] Magnetostatic spin wave modes in trilayer nanowire arrays probed using ferromagnetic resonance spectroscopy
By: Zhou, X.; Adeyeye, A. O.
PHYSICAL REVIEW B Volume: 94 Issue: 5 Article Number: 054410 Published: AUG 9 2016

[12] Landau-Lifshitz-Bloch-Slonczewski simulations of the spin-transfer-torque driven magnetization switching assisted by Joule heating
By: Oniciuc, Eugen; Stoleriu, Laurentiu; Stancu, Alexandru
APPLIED PHYSICS LETTERS Volume: 102 Issue: 2 Article Number: 022405 DOI: 10.1063/1.4775682 Published: JAN 14 2013

[12.1] In-plane magnetic field dependence of electric field-induced magnetization switching
By: Kanai, S.; Nakatani, Y.; Yamanouchi, M.; et al.
APPLIED PHYSICS LETTERS Volume: 103 Issue: 7 Article Number: 072408 DOI: 10.1063/1.4818676 Published: AUG 12 2013

[13] Magnetization reversal in graded anisotropy Co/Pt multilayers: A first order reversal curve study
By: Markou, A.; Panagiotopoulos, I.; Bakas, T.; et al.
JOURNAL OF APPLIED PHYSICS Volume: 112 Issue: 12 Article Number: 123914 DOI: 10.1063/1.4770487 Published: DEC 15 2012

[14] Monte Carlo Metropolis study of cluster evolution in spin-crossover solids within the framework of a mechanoelastic model
By: Cristian Enachescu, Masamichi Nishino, Seiji Miyashita, Laurentiu Stoleriu, Alexandru Stancu
PHYSICAL REVIEW B Volume: 86 Article Number: 054114 Published: 2012

[14.1] The role of anharmonicity in the systems with spin crossover
By: Shelest, V. V.; Khristov, A. V.; Levchenko, G. G.
LOW TEMPERATURE PHYSICS Volume: 42 Issue: 6 Pages: 505-512 Published: JUN 2016

[14.2] Matrix and size effects on the appearance of the thermal hysteresis in 2D spin crossover nanoparticles
By: Linares, Jorge; Jureschi, Catalin-Maricel; Boulmaali, Ayoub; et al.
PHYSICA B-CONDENSED MATTER Volume: 486 Pages: 164-168 Published: APR 1 2016

[14.3] Simulation of multi-steps thermal transition in 2D spin-crossover nanoparticles
By: Jureschi, Catalin-Maricel; Pottier, Benjamin-Louis; Linares, Jorge; et al.
PHYSICA B-CONDENSED MATTER Volume: 486 Pages: 160-163 Published: APR 1 2016

[14.4] Analysis of spin crossover nanochains using parabolic approximation in the framework of atom-phonon coupling model
By: Chiruta, D.; Jureschi, C. -M.; Linares, J.; et al.
PHYSICA B-CONDENSED MATTER Volume: 476 Pages: 61-70 Published: NOV 1 2015

[14.5] Effect of intermolecular interactions on the nucleation, growth, and propagation of like-spin domains in spin-crossover materials
By: Slimani, A.; Boukheddaden, K.; Yamashita, K.

PHYSICAL REVIEW B Volume: 92 Issue: 1 Article Number: 014111 Published: JUL 20 2015

[14.6] Shape effects on the cluster spreading process of spin-crossover compounds analyzed within an elastic model with Eden and Kawasaki dynamics
By: Enachescu, Cristian; Nishino, Masamichi; Miyashita, Seiji; et al.
PHYSICAL REVIEW B Volume: 91 Issue: 10 Article Number: 104102 Published: MAR 3 2015

[14.7] Phase transition in spin-crossover compounds in the breathing crystal field model
By: Gudyma, Iurii; Maksymov, Artur
PHYSICAL REVIEW B Volume: 89 Issue: 22 Article Number: 224412 Published: JUN 23 2014

[14.8] Role of open boundary conditions on the hysteretic behaviour of one-dimensional spin crossover nanoparticles
By: Chiruta, Daniel; Linares, Jorge; Miyashita, Seiji; et al.
JOURNAL OF APPLIED PHYSICS Volume: 115 Issue: 19 Article Number: 194309 Published: MAY 21 2014

[14.9] Humidity dependency of the thermal phase transition of a cyano bridged Co-W bimetal assembly
By: Ozaki, Noriaki; Tokoro, Hiroko; Miyamoto, Yasuto; et al.
NEW JOURNAL OF CHEMISTRY Volume: 38 Issue: 5 Pages: 1950-1954 Published: 2014

[14.10] Quantitative macroscopic treatment of the spatiotemporal properties of spin crossover solids based on a reaction diffusion equation
By: Paez-Espejo, Miguel; Sy, Mouhamadou; Varret, Francois; et al.
PHYSICAL REVIEW B Volume: 89 Issue: 2 Article Number: 024306 Published: JAN 28 2014

[14.11] Analysis of multi-step transitions in spin crossover nanochains
By: Chiruta, Daniel; Linares, Jorge; Garcia, Yann; et al.
PHYSICA B-CONDENSED MATTER Volume: 434 Pages: 134-138 Published: FEB 1 2014

[14.12] Properties of the low-spin high-spin interface during the relaxation of spin-crossover materials, investigated through an electro-elastic model
By: Slimani, A.; Boukheddaden, K.; Varret, F.; et al.
JOURNAL OF CHEMICAL PHYSICS Volume: 139 Issue: 19 Article Number: 194706 DOI: 10.1063/1.4829462 Published: NOV 21 2013

[14.13] Role of Edge Atoms in the Hysteretic Behaviour of 3D Spin Crossover Nanoparticles Revealed by an Ising-Like Model
By: Chiruta, Daniel; Linares, Jorge; Dimian, Mihai; et al.
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY Volume: 2013 Issue: 29 Pages: 5086-5093 DOI: 10.1002/ejic.201300757 Published: OCT 1 2013

[14.14] Crossover of the roughness exponent for interface growth in systems with long-range interactions due to lattice distortion
By: Nishino, Masamichi; Nakada, Taro; Enachescu, Cristian; et al.
PHYSICAL REVIEW B Volume: 88 Issue: 9 Article Number: 094303 DOI: 10.1103/PhysRevB.88.094303 Published: SEP 16 2013

[14.15] Effect of the short-range interaction on critical phenomena in elastic interaction systems
By: Nishino, Masamichi; Miyashita, Seiji
PHYSICAL REVIEW B Volume: 88 Issue: 1 Article Number: 014108 DOI: 10.1103/PhysRevB.88.014108 Published: JUL 15 2013

[14.16] Analysis of the Hysteretic Behaviour of 3D Spin Crossover Compounds by Using an Ising-Like Model
By: Chiruta, Daniel; Linares, Jorge; Garcia, Yann; et al.
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY Volume: 2013 Issue: 21 Pages: 3601-3608 DOI: 10.1002/ejic.201300412 Published: JUL 2013

[14.17] Relaxation oscillations during the laser-induced spin state transition of a [Fe(PM-BiA)(2)(NCS)(2)] complex
By: Viquerat, B.; Degert, J.; Letard, J. F.; et al.
PHYSICAL REVIEW B Volume: 87 Issue: 2 Article Number: 024303 DOI: 10.1103/PhysRevB.87.024303 Published: JAN 24 2013

[15] Investigation of the composition-dependent properties of BaTi1-xZrxO3 ceramics prepared by the modified Pechini method
By: Deluca, Marco; Vasilescu, Catalina; Ianculescu, Adelina; Berger, Daniela; Ciomaga, Cristina; Curecheriu, Lavinia; Stoleriu, Laurentiu; Gajovic, Andreja; Mitoseriu, Liliana; Galassi, Carmen
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 32 Issue: 13 Pages: 3551-3566 DOI: 10.1016/j.jeurceramsoc.2012.05.007 Published: OCT 2012

[15.1] Heterogeneous distribution of B-site cations in BaZrxT1-xO3 epitaxial thin films grown on (001) SrTiO3 by pulsed laser deposition
By: Ventura, J.; Polo, M. C.; Ferrater, C.; et al.
APPLIED SURFACE SCIENCE Volume: 381 Pages: 12-16 Published: SEP 15 2016

[15.2] A comparison of different powder compaction processes adopted for synthesis of lead-free piezoelectric ceramics
By: Mahesh, M. L. V.; Prasad, V. V. Bhanu; James, A. R.
EUROPEAN PHYSICAL JOURNAL B Volume: 89 Issue: 4 Article Number: 108 Published: APR 20 2016

[15.3] Ferroelectric phase changes and electrocaloric effects in Ba(Zr0.1Ti0.9)(1-x) Sn (x) O-3 ceramics solid solution
By: Kaddoussi, H.; Gagou, Y.; Lahmar, A.; et al.
JOURNAL OF MATERIALS SCIENCE Volume: 51 Issue: 7 Pages: 3454-3462 Published: APR 2016

[15.4] Dielectric Behavior of (Ba0.95Ca0.05) (Zr0.15Ti0.842Mg0.008)O-3-(Ba0.95Ca0.05)(Zr0.08Ti0.92) O-3 Layered Ceramics
By: Miao, Jiyuan; Wu, Ying; Zhang, Zhiqiang; et al.
FERROELECTRICS Volume: 492 Issue: 1 Special Issue: SI Pages: 17-24 Published: FEB 19 2016

[15.5] Dependence of Ba(Zr0.15Ti0.85)O-3 films growth on substrate temperature and oxygen gas pressure prepared by pulsed laser deposition
By: Mahesh, M. L. V.; James, A. R.
JOURNAL OF NANOPARTICLE RESEARCH Volume: 17 Issue: 12 Article Number: 482 Published: DEC 12 2015
[15.6] Continuous BaTi1-yZryO3 (0 <= y <=) nanocrystals synthesis in supercritical fluids for nanostructured lead-free ferroelectric ceramics
By: Philippot, Gilles; Albino, Marjorie; Chung, U-Chan; et al.
MATERIALS & DESIGN Volume: 86 Pages: 354-360 Published: DEC 5 2015
[15.7] Structure-microstructure-property relationships in lead-free BCTZ piezoceramics processed by conventional sintering and spark plasma sintering
By: Benabdallah, Feres; Elissalde, Catherine; Seu, U. -Chan Chung; et al.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 35 Issue: 15 Pages: 4153-4161 Published: DEC 2015
[15.8] Investigation on the dielectric properties of Mg-doped (Ba0.95Ca0.05) (Ti0.85Zr0.15)O-3 ceramics
By: Miao, Jiyuan; Zhang, Zhiqiang; Liu, Zhifu; et al.
CERAMICS INTERNATIONAL Volume: 41 Supplement: 1 Pages: S487-S491 Published: NOV 2015
[15.9] Self-adjustable site occupations between Ba-site Tb3+ and Ti-site Tb4+ ions in terbium-doped barium titanate ceramics
By: Lu, Da-Yong
SOLID STATE IONICS Volume: 276 Pages: 98-106 Published: AUG 2015
[15.10] Ferroelectric domain wall motion induced by polarized light
By: Rubio-Marcos, Fernando; Del Campo, Adolfo; Marchet, Pascal; et al.
NATURE COMMUNICATIONS Volume: 6 Article Number: 6594 Published: MAR 2015
Phase, microstructure and electrical characterization of Ba1-x La (x) (Zr0.6Ti0.4)(1-x/4)O-3 ceramics
By: Mahmood, Asad; Iqbal, Yaseen; Ullah, Asad
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 26 Issue: 1 Pages: 113-121 Published: JAN 2015
[15.11] Phase, microstructure and electrical characterization of Ba1-x La (x) (Zr0.6Ti0.4)(1-x/4)O-3 ceramics
By: Mahmood, Asad; Iqbal, Yaseen; Ullah, Asad
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 26 Issue: 1 Pages: 113-121 Published: JAN 2015
[15.12] Multiscale study of ferroelectric-relaxor crossover in BaSnxTi1-xO3 ceramics
By: Horchidan, N.; Ianculescu, A. C.; Vasilescu, C. A.; et al.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 34 Issue: 15 Pages: 3661-3674 Published: DEC 2014
[15.13] Enhanced dielectric and ferroelectric properties of lead-free Ba(Zr0.15Ti0.85)O-3 ceramics compacted by cold isostatic pressing
By: Mahesh, M. L. V.; Prasad, V. V. Bhanu; James, A. R.
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 611 Pages: 43-49 Published: OCT 25 2014
[15.14] Thermally Stable BaTiO3-Bi(Mg0.75W0.25)O-3 Solid Solutions: Sintering Characteristics, Phase Evolution, Raman Spectra, and Dielectric Properties
By: Chen, Jie; Chen, Xiuli; He, Fen; et al.
JOURNAL OF ELECTRONIC MATERIALS Volume: 43 Issue: 4 Pages: 1112-1118 Published: APR 2014
[15.15] Classical and Relaxor Ferroelectric Behavior of Titanate of Barium and Zirconium Ceramics
By: Tachafine, A.; Aoujgal, A.; Rguiti, M.; et al.
SPECTROSCOPY LETTERS Volume: 47 Issue: 5 Special Issue: SI Pages: 404-410 Published: MAY 28 2014
[15.16] Average and local atomic-scale structure in BaZrxTi1-xO3 (x=0.10, 0.20, 0.40) ceramics by high-energy x-ray diffraction and Raman spectroscopy
By: Buscaglia, Vincenzo; Tripathi, Saurabh; Petkov, Valeri; et al.
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 26 Issue: 6 Article Number: 065901 Published: FEB 12 2014
[15.17] Effect of sintering temperature on the microstructure and electrical properties of zirconium doped barium titanate ceramics
By: Mahesh, M. L. V.; Prasad, V. V. Bhanu; James, A. R.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 24 Issue: 12 Pages: 4684-4692 DOI: 10.1007/s10854-013-1460-3 Published: DEC 2013
[15.18] Enhanced Piezoelectric Properties and Tunability of Lead-Free Ceramics Prepared by High-Energy Ball Milling
By: Mahesh, M. L. V.; Bhanuprasad, V. V.; James, A. R.
JOURNAL OF ELECTRONIC MATERIALS Volume: 42 Issue: 12 Pages: 3547-3551 DOI: 10.1007/s11664-013-2812-8 Published: DEC 2013
[15.19] Effect of Zr substitution on phase transformation and dielectric properties of Ba0.9Ca0.1TiO3 ceramics
By: Sindhu, Monica; Ahlawat, Neetu; Sanghi, Sujata; et al.
JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 16 Article Number: 164106 DOI: 10.1063/1.4825123 Published: OCT 28 2013
[15.20] Towards a Better Understanding of Relationship between Preisach Densities and Polarization Reversals on Hysteresis Characteristic
By: Monnor, Teerawat; Laosiritaworn, Yongyut; Yimnirun, Rattikorn
ADVANCES IN CONDENSED MATTER PHYSICS Article Number: 959134 DOI: 10.1155/2013/959134 Published: 2013
[15.21] Structure-property relationships in BaTiO3-BiFeO3-BiYbO3 ceramics
By: Schileo, Giorgio; Luisman, Luke; Feteira, Antonio; et al.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 33 Issue: 8 Pages: 1457-1468 DOI: 10.1016/j.jeurceramsoc.2013.01.011 Published: AUG 2013
[15.22] Effect of Zr4+ substitution on thermal stability and electrical properties of high temperature BiFe0.99Al0.01O3-BaTi1-xZrxO3 ceramics

Authors: Cen, Zhenyong; Zhou, Changrong; Cheng, Jun; Zhou, Xiujuan; Li, Weizhou; Yan, Chunle; Feng, Songlin; Liu, Yueqiang; Lao, Daosong
JOURNAL OF ALLOYS AND COMPOUNDS, 567 110-114; 10.1016/j.jallcom.2013.03.065 AUG 5 2013

[15.23] Study on Defect Complexes in High-k Sr and Zr Co-doped BaTiO3 Ceramics
By: Lu, Da-Yong; Sun, Xiu-Yun
Edited by: Bu, J; Kim, YH
ADVANCED ENGINEERING MATERIALS III, PTS 1-3 Book Series: Advanced Materials Research Volume: 750-752 Pages: 501-505 Published: 2013

[15.24] Defect chemistry of a high-k 'Y5V' (Ba0.95Eu0.05) TiO3 ceramic
Authors: Lu, D.-Y., Zhang, L., Sun, X.-Y.
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Sponsor(s): European Social Fund Sectoral Operational Program Human Resources; Stefan Cel Mare Univ; Univ Pecs; Univ Coll Cork
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Sponsor(s): Budapest Univ Technol & Econ; Univ Pecs; Res Inst Tech Phys & Mat Sci
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By: Dimian, M.; Andrei, P.
Edited by: Dimian, M; Rachinskii, D
Conference: 6th International Workshop on Multi-Rate Processes and Hysteresis (MURPHYS) Location: Suceava, ROMANIA Date: MAY 21-24, 2012
Sponsor(s): European Social Fund Sectoral Operational Program Human Resources; Stefan Cel Mare Univ; Univ Pecs; Univ Coll Cork
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