

Fisa de evaluare conform standardelor minime pe domenii ale UAIC (conform Anexa 2a)

Articol	Autori	Autori echival	Citari	C	AIS	I	P
F. Gheorghiu, L. Padurariu, M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi, L. Mitoseriu, Porosity-Dependent Properties of Nb-Doped Pb(Zr,Ti)O ₃ Ceramics, J. Am. Ceram. Soc., in press (2016)	8	6	0	0	0.663	0.1105	0.663
L. Padurariu, L. Mitoseriu, Comment on "The Impact of Composite Effect on Dielectric Constant and Tunability in Ferroelectric Dielectric System", J. Am. Ceram. Soc., 99, 3816–3817 (2016)	2	2	0	0	0.663	0.3315	0.663
L. Padurariu, 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)	3	3	2	0.666667	1.741	0.580333	1.741
R. Stanculescu, C. E. Ciomaga, L. Padurariu, P. Galizia, N. Horchidan, C. Capieni, 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)	8	6	4	0.666667	0.558	0.093	0.558
C. E. Ciomaga, L. Padurariu, 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, J. Appl. Phys. 116, 164110 (2014)	9	6.333333333	0	0	0.682	0.107684	
C. Olariu, L. Padurariu, 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, J. Appl. Phys. 114, 214101 (2013)	6	5.333333333	5	0.9375	0.724	0.13575	
A. Cazacu, L. Curecheriu, A. Neagu, L. Padurariu, A. Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, Appl. Phys. Lett., 102, 222903 (2013).	7	5.666666667	3	0.529412	1.217	0.214765	
V. Pascariu, L. Padurariu, O. Avadanei, L. Mitoseriu, Dielectric properties of PZT-epoxy composite thick films, Journal of Alloys and Compounds 574, 591–599(2013)	4	4	5	1.25	0.534	0.1335	
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, J. Appl. Phys. 112, 094103 (2012)	6	5.333333333	8	1.5	0.796	0.14925	
L. Padurariu, L. Curecheriu, C. Galassi, L. Mitoseriu, Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, Appl. Phys. Lett. 100, 252905 (2012)	4	4	9	2.25	1.355	0.33875	1.355
L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu, Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, Phys. Rev. B 85, 224111 (2012)	4	4	15	3.75	1.429	0.35725	1.429
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)	6	5.333333333	15	2.8125	0.509	0.095438	
Z. V. Mocanu, G. Apachitei, L. Padurariu, F. Tudorache, L. P. Curecheriu, L. Mitoseriu, Impedance spectroscopy method for investigation of polycrystalline inhomogeneous ceramics, Eur. Phys. J. Appl. Phys. 56, 10102 (2011)	6	5.333333333	4	0.75	0.265	0.049688	
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 Matters 32, 5901-5913(2011)	3	3	5	1.666667	1.012	0.337333	1.012
		Total:	75	C=16.78		I=3.03	P=7.42

Cerințe minime UAIC pentru fizica:

I>0.5

P>0.75

Membru in proiecte de cercetare nationale castigate prin competitie: (cerinta UAIC pentru fizica este de minim un proiect)

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
PN-II-ID-PCE-2011-3-0745 -Design de material, preparare, proprietati și modelare de structuri multifuncționale oxidice pentru microelectronica si noi aplicatii in stocare de energie (MULTIFOX), 2011-2016
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
PNII-PCCE-2-2011-0006- Efectul interfetelor asupra transportului de sarcina in heterostructuri ferroice/multiferoice", 2012-2016
PN-II-PT-PCCA-2013-4-1119 Magnetoelectric composites with emergent properties for wireless and sensing applications (MECOMAP), 2014-2016
PNII-RU-TE-2014-4-1494 - Exploatarea porozitatii in materiale ferroelectrice prin controlul campului local pentru imbunatatirea proprietatilor functionale