

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

Punctaje CNATDCU:

Nr. Art.	Articol	Scor de influență	Număr de citări	Număr de autori	Autor principal 1 - Da 0 - Nu	Număr efectiv de autori	Citări / nr efectiv de autori	AIS / nr efectiv de autori	AIS pentru autor principal
1	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, in press (2020)	0,601	0	10	0	7,5	0,000	0,080	0,000
2	N. Horchidan, L. Padurariu, 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, in press (2020)	0,707	0	8	1	6,5	0,000	0,109	0,707
3	A. Guzu, C.E. Ciomaga, M. Airimioaei, L. Padurariu, 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)	0,601	2	13	0	9	0,222	0,067	0,000
4	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)	0,707	1	9	1	7	0,143	0,101	0,707
5	<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)	0,561	0	2	1	2	0,000	0,281	0,561
6	R.E. Stanculescu, N. Horchidan, C. Galassi, M. Asandulesa, L. Padurariu, C.E. Ciomaga, L. Mitoseriu, Porous (Ba,Sr)TiO ₃ ceramics for tailoring dielectric and tunability properties: Modelling and experiment, PROCESSING AND APPLICATION OF CERAMICS, 11, 235-246 (2017)	0,190	4	7	1	6	0,667	0,000	0,000
7	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)	0,454	4	7	1	6	0,667	0,076	0,454
8	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)	0,643	6	8	1	6,5	0,923	0,099	0,643
9	<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)	0,663	1	2	1	2	0,500	0,332	0,663
10	<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)	1,667	13	3	1	3	4,333	0,556	1,667
11	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)	0,558	20	8	1	6,5	3,077	0,086	0,558
12	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)	0,682	6	9	0	7	0,857	0,097	0,000
13	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)	0,724	8	6	0	5,5	1,455	0,132	0,000
14	A. Cazacu, L. Curecheriu, A. Neagu, <u>L. Padurariu</u> , A.	1,217	10	7	0	6	1,667	0,203	0,000

	Cernescu, I. Lisiecki, L. Mitoseriu, Tunable gold-chitosan nanocomposites by local field engineering, APPLIED PHYSICS LETTERS, 102, 222903 (2013).								
15	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)	0,534	11	4	0	4	2,750	0,134	0,000
16	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)	0,796	12	6	0	5,5	2,182	0,145	0,000
17	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)	1,355	20	4	1	4	5,000	0,339	1,355
18	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)	1,429	24	4	1	4	6,000	0,357	1,429
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)	0,509	24	6	0	5,5	4,364	0,093	0,000
20	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)	0,265	8	6	0	5,5	1,455	0,048	0,000
21	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)	1,012	6	3	1	3	2,000	0,337	1,012
Punctaje CNATCDU:							C=38,3	I=3,7	P=9,95
Condiții minime pentru poziția de lector universitar la Facultatea de Fizică:							I>1	P>1	