

nume	gradul didactic	domeniul	1. Activitatea didactică și profesională											2. Activitatea de cercetare		3. Recunoașterea impactului activității		Total
			Cărți în edituri internaționale recunoscute Web of Science în calitate de autor	Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/ Review-uri în reviste cotate ISI	Cărți în edituri internaționale recunoscute Web of Science în calitate de editor	Cărți, manuale, îndrumare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentări susținute pentru aprobarea analizelor de date în cadrul colaborărilor mari	Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor	Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI	Brevete de invenție internaționale acordate	Brevete de invenție naționale acordate	Director/ responsabil/ coordonator pentru programe de studii, programe de formare continuă, proiecte educaționale și proiecte de infrastructură naționale acordate	Director/ responsabil pentru proiecte de cercetare câștigate în valoare de Veuro prin competiție națională sau internațională	Total criteriu A	Articole științifice originale în extenso ca autor	Articole științifice originale în extenso ca prim autor sau autor corespondent,	Citări în reviste științifice cu factor de impact care se regăsesc în inCites Journal Citation Reports sau în cărți în edituri recunoscute Web of Science	Indicele Hirsch	
			$A_1 = \sum_i 4 / n_i^{0.2}$	$A_2 = \sum_i 1 / n_i^{0.2}$	$A_3 = \sum_i 0.5 / n_i^{0.2}$	$A_4 = \sum_i 0.5 / n_i^{0.2}$	$A_5 = \sum_i 0.2 / n_i^{0.2}$	$A_6 = \sum_i 0.2 / n_i^{0.2}$	$A_7 = \sum_i 3 / n_i^{0.2}$	$A_8 = \sum_i 0.5 / n_i^{0.2}$	$A_9 = \sum_i 0.5$	$A_{10} = \sum_i \sqrt[n_i]{100.000}$	$A = \sum_{i=1}^{10} A_i$	$I = \sum_i AIS_i / n_i^{0.2}$	$P = \sum_i AIS_i$	$C = \sum_i c_i / n_i^{0.2}$	h	
Curecheriu Lavinia-Petronela	conf. dr.	FIZICĂ	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.30	0.50	6.00	7.46	11.01	27.72	337.79	30	49.7147

Nota: se preiau valorile din fisele de calcul A, I-P si C

Criterii minimele	prof/CS I	conf/CS II
A	2	1
I	4	2
P	4	2
C	40	20
h	10	5
T = A + P / 2 + I / 2 + C / 20 + h / 5	12	5

STANDARDE MINIMALE CNATDCU Domeniu: FIZICĂ (profesor universitar)

Conform Anexa nr.3 – Comisia Fizică, Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare ORDIN nr. 6129 din 20 decembrie 2016

1. Activitate didactică și profesională

Nr. ctr.	Tipul activităților	Indicatori	Punctaj
1.	Cărți în edituri internaționale recunoscute Web of Science în calitate de autor	$A_1 = \sum_i 4/n_i^{ef}$	
2.	Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/Review-uri în reviste cotate ISI	$A_2 = \sum_i 1/n_i^{ef}$	0.65
	A. C. Ianculescu, D.C. Berger, C.A. Vasilescu, M. Olariu, B.S. Vasile, L.P. Curecheriu, A. Gajovic, R. Trusca, Cap. I Incorporation mechanism and functional properties of Ce-doped BaTiO ₃ ceramics derived from nanopowders prepared by modified Pechini method, p. 13-44 in Nanoscale Ferroelectrics and Multiferroics: Key Processing and Characterization Issues, and Nanoscale Effects“, Ed. Wiley & Sons (2016)		0.15
	L. Mitoseriu, L. Curecheriu, Cap. XV. Nanostructured barium titanates ceramics: intrinsic versus extrinsic effects p. 473-501 in Nanoscale Ferroelectrics and Multiferroics: Key Processing and Characterization Issues, and Nanoscale Effects“, Ed. Wiley & Sons (2016)		0.50
3.	Cărți în edituri internaționale recunoscute Web of Science în calitate de editor	$A_3 = \sum_i 0.5/n_i^{ef}$	
4.	Cărți, manual, îndrumare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentări susținute pentru aprobarea analizelor de date în cadrul colaborărilor mari	$A_4 = \sum_i 0.5/n_i^{ef}$	
5.	Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor	$A_5 = \sum_i 0.2/n_i^{ef}$	
6.	Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI	$A_6 = \sum_i 0.2/n_i^{ef}$	
7.	Brevete de invenție internaționale acordate	$A_7 = \sum_i 3/n_i^{ef}$	
8.	Brevete de invenție naționale acordate	$A_8 = \sum_i 0.5/n_i^{ef}$	0.3
	A.C. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu, Procedeu de obtinere a unui material ceramic de tip BST, nr. 125528/28.12.2012		0.1

	A.C. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu, Metoda de masurare a tunabilitatii pentru materialele ceramice, nr. 125567/30.05.2011		0.1
	A.C. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu, Dispozitiv pentru masurarea tensiunilor electrice inalte prin separare galvanica, nr. 125566/30.05.2011		0.1
9.	Director/responsabil/coordinator pentru programe de studii, programe de formare continua, proiecte educaționale și proiecte de infrastructură (proiectele de cercetare se exclude)	$A_9 = \sum_i 0.5$	0.5
	Responsabil program – Fizică tehnologică- extensiunea Bălți		0.5
10.	Director/responsabil pentru proiecte de cercetare în valoare V_i euro câștigate prin competiție națională sau internațională (proiectele de la punctul 9 se exclud). Sumele în lei sau în alte valute se convertesc în euro la cursul mediu din anul respective conform www.bnr.ro pentru perioada de după 1999 și la cursul din 1999 pentru perioada anterioară. Responsabilii de proiect sunt cei care conduc o echip de cercetare, fiind menționați ca atare în proiectul depus; în cazul lor se consider doar suma aferentă echipei conduse.	$A_{10} = \sum_i V_i / 100.000$	6.01
	Un nou instrument în proiectarea materialelor bi-tunabile: ceramici funcționale graduale din pulberi miez-înveliș, PN-IV-P1-PCE-2023-1192, contract 85PCE/01.07.2025, 1.147.368 RON ~ 225984 euro		2.26
	Preparation of BaMxTi1-xO3 nanopowders by soft chemistry methods”, contract 2022303 -JECS Trust ~ 1600 euro		0.02
	Explorarea condițiilor critice ca un nou instrument pentru creșterea proprietățile electrocalorice ale ceramicelor fără plumb pe bază de bariu, PN-III-P1-1.1-TE-2019-1689, contract TE1/25.08.2020, 431.900 RON ~ 89.600 euro		0.89
	Proprietăți dependente de scală în ceramicele piezoelectrice fără plumb”, PN-III-P1-1.1-TE-2016-1951, contract 22/02.05.2018, 2018-2020, 450.000 RON ~96.000 euro		0.96
	Preparation of nanocomposite materials with polymeric matrix and core-shell fillers for flexible electronics, PN-III-P1-1.1-MC-2019-1164, contract 199/28.10.2019 Trust ~ 2773 euro		0.03
	Engineered polymeric composites for flexible electronics, Bursa L'Oreal-UNESCO For Women in Science 2017, 42.000 RON~ 9.000 euro		0.09
	Studiul proprietăților neliniare în sisteme relaxoare fără plumb, Grant intern: GI-2014-03, 2015, 20.000 RON~ 4.500 euro		0.05
	Investigation of the mesoscopic polar order and size effects in driving polarization mechanisms of tunability in perovskites, PNII-RU-TE-2012-3-0150, contract nr. 24/26.04.2013, 2013-2016, 645.833 RON ~ 145.000 euro		1.45

	Contributii la studiul unor fenomene neliniare in feroelectricii ceramici, PNII-RU-TD-2007-212, contract nr. 426/1.10.2007, 2007-2009, 39.794 RON ~ 12.000 euro		0.12
	Contributii la studiul unor fenomene neliniare in feroelectricii ceramici, BD 72/2007, 2007-2009, 48.000 RON~14.000 euro		0.14
	Total		7.46

Criterii minimale pentru activitatea didactică și profesională:

Abilitare, CS I, profesor universitar: $A = \sum_{i=1}^{10} A_i \geq 2$

2. Activitate de cercetare

Nr. ctr.	Tipul activităților	Indicatori	Punctaj
1.	Articole științifice originale în extenso ca autor	$I = \sum_i AIS_i / n_i^{ef}$	11.01
2.	Articole științifice originale în extenso ca prim autor sau autor corespondent conform mențiunilor de pe articol	$P = \sum_i AIS_i$	27.72

Criterii minimale pentru activitatea de cercetare:

Abilitare, CS I, profesor universitar: **$I \geq 4, P \geq 4$**

Table de calcul pentru coeficienții I și P

Nr.	Nume autori	Titlul articol, revistă	Nr. autori	Nr. autori echivalenți	AIS	I	P
1.	<u>Lavinia-Petronela Curecheriu</u> , Andreea Irina Barzic, Iuliana Stoica, Raluca Marinica Albu, Mirela Fernanda Zaltariov, Gabriela Turcanu, Felicia Gheorghiu, Paola Stagnaro, Maria Tereaa Buscaglia	Tailoring the Applicative Performance of Chitosan-Based Composites Through the Features of BaTiO ₃ Particles Synthesized by Two Different Methods, Polymer Composites, 47, 6, 5222-5240 (2026)	9	7	0.521	0.07	0.521
2.	Raluca Marinica Albu, Mihaela Iuliana Avadanei, <u>Lavinia-Petronela Curecheriu</u> , Gabriela Turcanu, Iuliana Stoica, Marius Soroceanu, Daniela Rusu, Cristian-Dragos Varganici, Victor Cojocaru, Andreea Irina Barzic	Cellulose Ether/Citric Acid Systems Loaded with SrTiO ₃ Nanoparticles with Solvent-Tailored Features for Energy-Related Technologies, Molecules 30, 3271, 2025	10	7.50	0.74	0.10	0.74
3.	Gabriela Turcanu, Iuliana Stoica, Raluca Marinica Albu, Cristian-Dragos Varganici, Mihaela Iuliana Avadanei, Andreea Irina Barzic, <u>Lavinia-Petronela Curecheriu</u> , Paola Stagnaro, Maria Teresa Buscaglia,	Design of Polysaccharide-Based Nanocomposites for Eco-Friendly Flexible Electronics, Polymers, 17, 1612 (2025)	9	7	0.700	0.10	0.7
4.	Vlad Alexandru Lukacs, Radu Stirbu, Oana Andreea Condurache, <u>Lavinia Petronela Curecheriu</u> , Mirela Airimioaei, Cristina Elena Ciomaga, George Stoian,	Cuboidal vs equiaxed: The role of nanopowder assembly during BaTiO ₃ ceramic pressing step, Journal of Materials Science&Technology, 189, 13-24 (2024)	9	7	2.125	0.30	0

	Gabriel Caruntu, Liliana Mitoseriu, Maria Teresa Buscaglia,						
5.	Ina Turcan, <u>Lavinia Petronela Curecheriu</u> , George Stoian, Ilarion Mihaila, Cristina Elena Ciomaga, Liliana Mitoseriu	Influence of sintering temperature on the electrical properties of SrTiO ₃ -BaZrTiO ₃ ceramics for energy storage applications, Ceramics International, 50, 12, 21898-21908 (2024)	6	5.5	0.708	0.13	0
6.	Nadejda Horchidan, <u>Lavinia Petronela Curecheriu</u> , Vlad Alexandru Lukacs, Radu Stefan Stirbu, Florin Mihai Tufescu, Ioan Dumitru, George Stoian, Cristina Elena Ciomaga,	Porosity effect on the functional properties and energy harvesting performance of Ba _{0.85} Ca _{0.15} Ti _{0.90} Zr _{0.10} O ₃ ceramics, Journal of the American Ceramic Society, 107, 5, 3230-3242 (2024)	8	6.5	0.694	0.11	0
7.	Leontin Padurariu, Fereshteh Falah Chamasemani, Roland Brunner, <u>Lavinia Petronela Curecheriu</u> , Vlad Alexandru Lukacs, Radu Stefan Stirbu, Cristina Elena Ciomaga, Liliana Mitoseriu,	Analysis of local vs. Macroscopic properties of porous BaTiO ₃ ceramics based on 3D reconstructed ceramic microstructures, Acta Materialia, 255, 119084 (2023)	8	6.5	2.219	0.34	0
8.	Roxana-Elena Patru, Catalina Andreea Stanciu, Elena Mirabela Soare, Vasile-Adrian Surdu, Roxana Doina Trusca, Adrian Ionut Nicoara, Bogdan Stefan Vasile, Georgia Boni, Luminita Amarande, Nadejda Horchidan, <u>Lavinia Petronela Curecheriu</u> , Liliana Mitoseriu, Lucian Pintilie, Ioana Pintilie, Adelina-Carmen Ianculescu	Grain size-driven effect on the functional properties in Ba _{0.6} Sr _{0.4} TiO ₃ ceramics consolidated by spark plasma sintering, Journal of the European Ceramic Society, 43, 8, 3250-3265 (2023)	15	10	0.967	0.10	0
9.	Leontin Padurariu, Elisabetta Brunengo, Giovanna Canu, <u>Lavinia Petronela Curecheriu</u> , Lucia Conzatti, Maria Teresa Buscaglia, Paola Stagnaro, Liliana Mitoseriu, Vincenzo Buscaglia,	Role of microstructures in the Dielectric properties of PVDF-Based Nanocomposites Containing High-Permittivity Fillers for Energy Storage, ACS Applied Materials& Interfaces, 15, 10, 13535-13544 (2023)	9	7	1.436	0.21	0
10.	Leontin Padurariu, Nadejda Horchidan, Cristina Elena Ciomaga, <u>Lavinia-Petronela Curecheriu</u> , Vlad Alexandru Lukacs, Radu Stefan Stirbu, George Stoian, Mihaela Botea, Valentin Adrian Maraloiu, Lucian Pintilie, Aurelian Rotaru, Liliana Mitoseriu	Influence of Ferroelectric Filler Size and Clustering on the Electrical Properties of (Ag-BaTiO ₃)-PVDF Sub-Percolative Hybrid Composites, 15, 5744-5759 (2023)	13	9	1.436	0.16	0
11.	<u>Lavinia Curecheriu</u> , Teodora Sandu, Oana Condurache, Giovanna Canu, Chiara Costa, Maria Teresa Buscaglia, Mihai Asandulesa, Juras Banys, Vincenzo Buscaglia, Liliana Mitoseriu,	Dielectric, ferroelectric and electrocaloric properties of 1%Eu-doped BaZr _y Ti _{1-y} O ₃ ceramics, Materials Research Bulletin 157, 112034 (2023)	10	7.50	0.641	0.09	0.64
12.	Cristina E. Ciomaga, <u>Lavinia P. Curecheriu</u> , Vlad A. Lukacs, Nadejda Horchidan, Florica Doroftei, Renaud	Optimization of processing steps for superior functional properties of (Ba,Ca)(Zr,Ti)O ₃ ceramics, Materials 15,8809 (2022)	9	7.00	0.511	0.07	0.51

	Valois, Megane Lheureux, Marie Helene Chambrier, Liliana Mitoseriu,						
13.	<u>Lavinia Curecheriu</u> , Maria Teresa Buscaglia, Vlad-Alexandru Lukacs, Leontin Padurariu, Cristina Ciomaga,	Role of density and grain size on the electrocaloric effect in Ba _{0.90} Ca _{0.10} TiO ₃ ceramics, Materials 15, 7825 (2022)	5	5.00	0.551	0.11	0.55
14.	Nadejda Horchidan, Cristina Elena Ciomaga, <u>Lavinia Petronela Curecheriu</u> , George Stoian, Mihaela Botea, Mihaela Florea, Valentin Adrian Maraloiu, Lucian Pintilie, Florin Mihai Tufescu, Vasile Tiron, Aurelian Rotaru, Liliana Mitoseriu,	Increasing Permittivity and Mechanical Harvesting Respons PVDF-Based Flexible Composites by Using Ag Nanoparticles and BaTiO ₃ Nanofillers, Nanomaterials, 12, 934, (2022)	12	8.50	0.707	0.08	0
15.	Vlad Alexandru Lukacs, Mirela Airimioaei, Leontin Padurariu, <u>Lavinia Petronela Curecheriu</u> , Cristina Elena Ciomaga, Andrea 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 Journal of the European Ceramic Society, 42, 2230-2237 (2022)	14	9.50	0.851	0.09	0
16.	Leontin Padurariu, <u>Lavinia Curecheriu</u> , Cristina Ciomaga, Mirela Airimioaei, Nadejda Horchidan, Cipriana Cioclea, Vlad-Alexandru Lukacs, Radu-Stefan Stirbu, Liliana 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, 31 Dec 2021	9	7.00	0.700	0.10	0.70
17.	Vlad-Alexandru Lukacs, Gabriel Caruntu, Oana Condurache, Cristina Ciomaga, <u>Lavinia Curecheriu</u> , Leontin Padurariu, Maria Ignat, Mirela Airimioaei, George Stoian, Aurelian Rotaru, Liliana Mitoseriu,	Preparation and properties of porous BaTiO ₃ nanostructured ceramics produced from cuboidal nanocrystals, Ceramics International 47, 13, 18105-18115, 1 Jul 2021	11	8.00	0.552	0.07	0
18.	Sarunas Svirskas, Dzmitry Adamchuk, Robertas Grigalaitis, Dziugas Jablonskas, Jan Macutkevicius, Giovanna Canu, Maria Teresa Buscaglia, Vincenzo Buscaglia, <u>Lavinia Curecheriu</u> , Liliana Mitoseriu, Juras Banys,	Dipolar glass state in BaCe _{0.3} Ti _{0.7} O ₃ perovskite solid solutions, Journal of Alloys and Compound, 854, 155755 (2021)	11	8.00	0.700	0.09	0
19.	Nadejda Horchidan, <u>Lavinia Curecheriu</u> , Cristina E. Ciomaga, Nicoleta Lupu, Liliana Mitoseriu	Preparation and functional properties of BaTiO ₃ -BaGeO ₃ ceramics, TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL, 68, 2, 279-287, Feb 2021	5	5.00	0.679	0.14	0.68
20.	Felicia Gheorghiu, Mihai Asandulesa, <u>Lavinia Curecheriu</u> ,	Electrical properties of KTa _{0.65} Nb _{0.35} O ₃ lead-free ceramics, Processing and Application of Ceramics, 14 [4], 372-377 (2020)	3	3	0.252	0.084	0.252

21.	<u>Lavinia Curecheriu</u> , Catalin Harnagea, Maria Teresa Buscaglia, Ilaria Pallecchi, Bogdan Stefan Vasile, Vasile-Adrian Surdu, Adelina-Carmen Ianculescu, Alain Pignolet, Federico Rosei, Liliana Mitoseriu, Vincenzo Buscaglia,	Four-fold multifunctional properties in self-organized layered ferrite, <i>Ceramics International</i> , 46, 28621-28630 (2020)	11	8	0.545	0.068	0.545
22.	Elisabetta Brunengo, Lucia Conzatti, Ilaria Schizzi, Maria Teresa Buscaglia, Giovanna Canu, <u>Lavinia Curecheriu</u> , Chiara Costa, Maila Castellano, Liliana Mitoseriu, Paolo Stagnaro, Vincenzo Buscaglia,	Improved dielectric properties of poly(vinylidene fluoride)-BaTiO ₃ composites by solvent-free processing, <i>Journal of Applied Polymer Science</i> , 138, 12, 50049 (2020)	11	8	0.351	0.043	0
23.	Leontin Padurariu, Vlad-Alexandru Lukacs, George Stoian, Nicoleta Lupu, <u>Lavinia-Petronela Curecheriu</u> ,	Scale-dependent dielectric properties in BaZr _{0.05} Ti _{0.95} O ₃ ceramics, <i>Materials</i> , 13, 4386 (2020)	5	5	0.595	0.119	0.595
24.	<u>Lavinia Curecheriu</u> , Vlad Alexandru Lukacs, Leontin Padurariu, George Stoian, Cristina Elena Ciomaga	Effect of porosity on functional properties of lead-free piezoelectric BaZr _{0.15} Ti _{0.85} O ₃ porous ceramics, <i>Materials</i> , 13, 3324 (2020)	5	5	0.595	0.119	0.595
25.	Felicia Gheorghiu, Roxana Stanculescu, <u>Lavinia Curecheriu</u> , Elisabetta Brunengo, Paola Stagnaro, Vasile Tiron, Petronel Postolache, Maria Teresa Buscaglia, Liliana Mitoseriu,	PVDF-ferrite composites with dual magneto-piezoelectric response for flexible electronics applications: synthesis and functional properties, <i>J Mater Sci</i> , 55, 3926-3939 (2020)	9	7	0.593	0.084	0
26.	Nadejda Horchidan, Leontin Padurariu, Cristina E. Ciomaga, <u>Lavinia Curecheriu</u> , Mirela Airimioaei, Florica Doroftei, Florin Tufescu, Liliana Mitoseriu,	Room temperature phase superposition os origin of enhanced functional properties in BaTiO ₃ - based ceramics, <i>Journal of the European Ceramic Society</i> , 40, 1258-1268 (2020)	8	6.5	0.808	0.124	0
27.	Vlad Al. Lukacs, Ina Turcan, Leontin Padurariu, <u>Lavinia Curecheriu</u> , Adrian Cernescu, George Stoian, Cristina Elena Ciomaga, Florin Tufescu, Nicoleta Lupu, Liliana Mitoseriu,	Nonlinear dielectric properties of BaTiO ₃ - silver composites: The role of microstructure, <i>Journal of Alloys and Compound</i> , 817, 153336 (2020)	10	7.5	0.716	0.095	0.63
28.	Veronica Chiriac, Georgiana Bulai, <u>Lavinia Curecheriu</u> , Ionut Topala, Nicoleta Dumitrascu,	Synthesis and characterization of (co)polymeric films obtained under atmospheric conditions, <i>Material Letters</i> , 264, 127062 (2020)	5	5	0.46	0.092	0
29.	Vlad Alexandru Lukacs, Roxana Stanculescu, <u>Lavinia Curecheriu</u> , Cristina Elena Ciomaga, Nadejda Horchidan, Cipriana Cioclea, Liliana Mitoseriu	Structural and functional properties of BaTiO ₃ porous ceramics produced by using pollen as sacrificial template, <i>Ceramics International</i> , 46, 523-530 (2020)	7	6	0.545	0.090	0.545

30.	Cristina E. Ciomaga, Alexandra Guzu, Mirela Airimioaei, <u>Lavinia P. Curecheriu</u> , Vlad Alexandru Lukacs, Ovidiu G. Avadanei, George Stoian, Marian Grigoras, Nicoleta Lupu, Mihai Asandulesa, Liliana 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 Ceramics International, 45, 18, 24168-24175 (2019)	11	8	0.454	0.056	0
31.	Alexandra Guzu, Cristina Elena Ciomaga, Mirela Airimioaei, Leontin Padurariu, <u>Lavinia-Petronela Curecheriu</u> , Ioan Dumitru, Felicia Gheorghiu, George Stoian, Marian Grigoras, Nicoleta Lupu, Mihai Asandulesa, Liliana Mitoseriu	Functional properties of randomly and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, Journal of Alloys and Compound, 796, 55-64 (2019)	12	8.5	0.601	0.070	0
32.	Giovanna Canu, Gregorio Bottaro, Maria Teresa Buscaglia, Chiara Costa, Oana Condurache, <u>Lavinia Curecheriu</u> , Liliana Mitoseriu, Vincenzo Buscaglia, Lidia Armelao	Ferroelectric order driven Eu ³⁺ , photoluminescence in BaZr _x Ti _{1-x} O ₃ , perovskite Scientific Reports, 9, 6441 (2019)	9	7	1.286	0.183	0
33.	Ina Turcan, Alexandru Vlad Lukacs, <u>Lavinia Curecheriu</u> , Leontin Padurariu, Cristina Elena Ciomaga, Mirela Airimioaei, George Stoian, Nicoleta Lupu, Liliana Mitoseriu	Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, Journal of the European Ceramic Society, 38, 5420-5429 (2018)	9	7	0.706	0.100	0
34.	Giovanna Canu, Giorgia Confalonieri, Marco Deluca, <u>Lavinia Curecheriu</u> , Maria Teresa Buscaglia, Mihai Asandulesa, Nadejda Horchidan, Monica Dapiaggi, Liliana Mitoseriu, Vincenzo Buscaglia,	Structure-properties correlations and origin of relaxor behaviour in BaCe _x Ti _{1-x} O ₃ , Acta Materialia, 152, 258-268 (2018)	10	7.5	1.815	0.242	0
35.	Mirela Airimioaei, Maria Teresa Buscaglia, Ilarie Tredici, Umberto Anselmi-Tamburini, Cristina Elena Ciomaga, <u>Lavinia Curecheriu</u> , Andreja Bencan, Vincenzo Buscaglia, Liliana 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, 35, 9028-9036 (2017)	9	7	1.133	0.162	0
36.	<u>Lavinia-Petronela Curecheriu</u> , Maria Teresa Buscaglia, Filippo Maglia, Cipriana Padurariu, Gabriela Ciobanu, Umberto Anselmi-Tamburini, Vincenzo Buscaglia, Liliana Mitoseriu	Tailoring the functional properties of PLZT-BaTiO ₃ composite ceramics by core-shell approach, Journal of Applied Physics, 121, 14, 144101 (2017)	8	6.5	0.561	0.086	0.561
37.	Cipriana Padurariu, Leontin Padurariu, <u>Lavinia Curecheriu</u> , Cristina Ciomaga, Nadejda Horchidan, Carmen Galassi, Liliana Mitoseriu	Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZT ceramics, Ceramics International, 43, 7, 5767-5773 (2017)	7	6	0.437	0.073	0.437
38.	Oana Condurache, Ina Turcan, <u>Lavinia Curecheriu</u> , Cristina Ciomaga, Petronel Postolache, Gabriela Ciobanu, Liliana 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)	7	6	0.437	0.073	0.437

39.	Felicia Gheorghiu, Leontin Padurariu, Mirea Airimioaci, <u>Lavinia Curecheriu</u> , Cristina Elena Ciomaga, Cipriana Padurariu, Carmen Galassi, Liliana Mitoseriu	Porosity dependent properties of <i>Nb</i> -doped $\text{Pb}(\text{Zr,Ti})\text{O}_3$ ceramics, Journal of the American Ceramic Society, 100, 2, 647-658 (2017)	8	6.5	0.643	0.099	0
40.	<u>Lavinia Curecheriu</u> , Cristina Ciomaga, Valentina Musteata, Giovanna Canu, Vincenzo Buscaglia, Liliana Mitoseriu	Diffuse phase transition and high electric field properties of $\text{BaCe}_y\text{Ti}_{1-y}\text{O}_3$ relaxor ferroelectric ceramics, Ceramics International, 42, 11085-11092(2016)	6	5.5	0.465	0.085	0.465
41.	T. Teslaru, I. Topala, M. Dobromir, V. Pohoata, <u>L. Curecheriu</u> , N. Dumitrascu,	Polythiophene films obtained by polymerization under atmospheric pressure plasma conditions, Materials Chemistry and Physics, 169, 120-127 (2016)	6	5.5	0.479	0.087	0
42.	Leontin Padurariu, <u>Lavinia Curecheriu</u> , Liliana Mitoseriu	Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, Acta Materialia 103, 724-734 (2016)	3	3	1.741	0.580	0
43.	A. Sakanas, R. Grigalaitis, J. Banys, <u>L. Curecheriu</u> , L. Mitoseriu, V. Buscaglia	Microstructural influence on the broadband dielectric properties of $\text{BaTiO}_3\text{-Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ core-shell composites: Experiment and modeling, Journal of Applied Physics, 118, 174106 (2015)	6	5.5	0.637	0.116	0
44.	Adelina Inaculescu, Catalina Vasilescu, Maria Crisan, Malina Raileanu, Bogdan Vasile, Mihai Calugaru, Dorel Crisan, Nicolae Dragan, <u>Lavinia Curecheriu</u> , Liliana 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)	10	7.5	0.741	0.099	0
45.	Felicia Gheorghiu, <u>Lavinia Curecheriu</u> , Isabelle Lisiecki, Patricia Beaunier, Simona Feraru, Mircea Palamaru, Valentina Musteata, Nicoleta Lupu, Liliana Mitoseriu,	Functional properties of $\text{Sm}_2\text{NiMnO}_6$ multiferroic ceramics prepared by spark plasma sintering, Journal of Alloys & Compound 649, 151-158 (2015)	9	7	0.558	0.080	0
46.	<u>Lavinia-Petronela Curecheriu</u> , Mirjana M Vijatovic Petrovic, Jelena D. Bobic, B.D. Stojanovic	Nonlinear properties of antimony-doped BaTiO_3 ceramics, Applied Physics A, 119, 681-686 (2015)	4	4	0.39	0.098	0.39
47.	<u>Lavinia-Petronela Curecheriu</u> , Maria Teresa Buscaglia, Filippo Maglia, Umberto Anselmi-Tamburini, Vincenzo Buscaglia, Liliana Mitoseriu	Design tunable materials: ferroelectric-antiferroelectric composite with core-shell structure, Applied Physics Letters 105, 252901 (2014)	6	5.5	1.125	0.205	1.125
48.	Alexandra Neagu, <u>Lavinia Curecheriu</u> , Mirela Airimioaci, Ana Cazacu, Adrian Cernescu, Liliana Mitoseriu	Impedance spectroscopy characterization of relaxation mechanisms in gold-chitosan nanocomposites, Composites:Part B 71, 210-217 (2015)	6	5.5	0.875	0.159	0.875
49.	Cristina Elena Ciomaga, Leontin Padurariu, <u>Lavinia Curecheriu</u> , Nicoleta Lupu, Isabelle Lisiecki, Marco Deluca, Sorin Tascu, Carmen Galassi, Liliana Mitoseriu	Using multi-walled carbon nanotubes in spark plasma sintered $\text{Pb}(\text{Zr}_{0.47}\text{Ti}_{0.53})\text{O}_3$ ceramics for tailoring dielectric and tunability properties, Journal of Applied Physics, 116, 164110 (2014)	9	7	0.682	0.097	0.682

50.	<u>Lavinia Curecheriu</u> , Petronel Postolache, Maria Teresa Buscaglia, Vincenzo Buscaglia, Adelina Ianculescu, Liliana Mitoseriu	Novel magnetoelectric ceramic composites by control of the interface reactions in $\text{Fe}_2\text{O}_3@\text{BaTiO}_3$ core-shell structures, Journal of Applied Physics, 116, 084102 (2014)	6	5.5	0.682	0.124	0.682
51.	Alexandra Neagu, <u>Lavinia Curecheriu</u> , Ana Cazacu, Liliana Mitoseriu	Impedance analysis and tunability of BaTiO_3 -chitosan composites: towards active dielectrics for flexible electronics, Composites:Part B, 66, 109-116 (2014)	4	4	0.774	0.194	0.774
52.	Zina Violeta Mocanu, Mirela Airimioaei, Cristina Elena Ciomaga, <u>Lavinia Curecheriu</u> , Florin Tudorache, Sorin Tascu, Alexandra R. Iordan, Mircea N. Palamaru, Liliana Mitoseriu	Investigation of the functional properties of $\text{Mg}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$ ceramics, Journal of Materials Science 49,8, 3276-3286 (2014)	9	7	0.592	0.085	0
53.	Mirela Airimioaei, Mircea N. Palamaru, Alexandra R. Iordan, Pascal Berthet, C. Decorse, <u>Lavinia Curecheriu</u> , Liliana Mitoseriu	Structural investigation and functional properties of $\text{Mg}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$ ferrites, Journal of American Ceramic Society, 97,2, 519-526 (2014)	7	6	0.696	0.116	0
54.	Tiberiu Salaoru, Florica Matau, Sorin Tascu, <u>Lavinia Curecheriu</u> , Alexandru Stancu	Effect of thermal treatment on the magnetic properties of ceramic samples from eastern Romania clay deposits, Digest Journal of Nanomaterials and Biostructures, 8 (1), 335-346 (2013)	5	5	0.209	0.042	0
55.	Ana Cazacu, <u>Lavinia Curecheriu</u> , Alexandra Neagu, Leontin Padurariu, Adrian Cernescu, Isabelle Lisiecki, Liliana Mitoseriu,	Tunable gold-chitosan, nanocomposites by local field engineering, Applied Physics Letters, 102, 222903 (2013)	7	6	1.217	0.203	1.217
56.	<u>Lavinia Curecheriu</u> , Petronel Postolache, Vincenzo Buscaglia, Nadejda Horchidan, Marin Alexe, Liliana Mitoseriu	BaTiO_3 -ferrite composites with magnetocapacitance and hard/soft magnetic properties, Phase Transition, 86, 7, 670-680 (2013)	6	5.5	0.288	0.052	0.288
57.	Felicia Gheorghiu, <u>Lavinia Curecheriu</u> , Adelina Ianculescu, Mihai Calugaru, Liliana Mitoseriu	Tunable dielectric characteristics of Mn-doped BiFeO_3 multiferroic ceramics, Scripta Materialia 68, 305-308 (2013)	5	5	1.172	0.234	0
58.	Bogdan Stefan Vasile, Ecaterina Andronescu, Cristina Ghitulica, Otilia Ruxandra Vasile, <u>Lavinia Curecheriu</u> , Rares Scurtu, Eugeniu Vasile, Roxana Trusca, Livia Pall, Virgil Aldica	Microstructure and electrical properties of zirconia and composite nanostructured ceramics sintered by different methods, Ceramics International 39, 2535-2543 (2013)	10	7.5	0.439	0.059	0
59.	<u>Lavinia Petronela Curecheriu</u> , Marco Deluca, Zina Violeta Mocanu, Mihai Valentin Pop, Valentin Nica, Nadejda Horchidan, Maria Teresa Buscaglia, Vincenzo Buscaglia, Marlies Van Bael, An Hardy, Liliana Mitoseriu	Investigation of the ferroelectric-relaxor crossover in Ce-doped BaTiO_3 ceramics by impedance spectroscopy and Raman study, Phase Transition, 86, 7, 703-714 (2013)	11	8	0.288	0.036	0.288
60.	Marco Deluca, <u>Lavinia P. Curecheriu</u> , Alexandra Neagu, Geanina Apachitei, Maria Teresa Buscaglia, Giovanna Canu, Kenichi Oshita, Jung Gon Kim, Hiroshi Harima and Vincenzo Buscaglia	Raman spectroscopic study of layered quaternary ferrite $\text{Ba}_{12}\text{Fe}_{28}\text{Ti}_{15}\text{O}_{84}$, Phase Transition, 86, 7, 661-669 (2013)	10	7.5	0.288	0.038	0

61.	<u>Lavinia Petronela Curecheriu</u> , Nadejda Horchidan, Steluta Popescu, Victor Ciupina	DC-tunability properties of substituted PZT ceramics investigated with multipolar models, Optoelectronics and Advanced materials – Rapid Communication, vol.6, 5-6, 3-576 (2012)	4	4	0.053	0.013	0.053
62.	Leontin Padurariu, <u>Lavinia Curecheriu</u> , Vincenzo Buscaglia, Liliana Mitoseriu	Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, Physical Review B 85, 224111 (2012)	4	4	1.426	0.357	0
63.	Leontin Padurariu, <u>Lavinia Petronela Curecheriu</u> , Carmen Galassi, Liliana Mitoseriu	Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, Applied Physics Letters 100, 252905 (2012)	4	4	1.384	0.346	0
64.	<u>Lavinia Petronela Curecheriu</u> , Sorin-Bogdan Balmus, Maria Teresa Buscaglia, Vincenzo Buscaglia, Adelina Ianculescu, Liliana Mitoseriu	Grain-size dependent properties of dense nanocrystalline barium titanate ceramics, Journal of American Ceramic Society, 95, 3912-3921 (2012)	6	5.5	0.765	0.139	0.765
65.	Marco Deluca, Laurentiu Stoleriu, <u>Lavinia-Petronela Curecheriu</u> , Nadejda Horchidan, Adelina, Carmen Ianculescu, Carmen Galassi, Liliana Mitoseriu	High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in BaSn _x Ti _{1-x} O ₃ ceramics, Journal of Applied Physics, 111, 084102 (2012)	7	6	0.834	0.139	0
66.	Marco Deluca, Catalina A. Vasilescu, Adelina C. Ianculescu, Daniela C. Berger, Cristina E. Ciomaga, <u>Lavinia P. Curecheriu</u> , Laurentiu Stoleriu, Andreja Gajovic, Liliana Mitoseriu, Carmen Galassi	Investigation of the composition-dependent properties of BaTi _{1-x} Zr _x O ₃ ceramics prepared by the modified Pechini method, Journal of the European Ceramic Society, 32 (13), 3551-3566 (2012)	10	7.5	0.689	0.092	0
67.	Delia Spiridon, <u>Lavinia Curecheriu</u> , Marius Dobromir, Nicoleta Dumitrascu	Synthesis of Poly(N-isopropylacrylamide) under atmospheric pressure plasma conditions, Journal of Applied Polymer Science, 124, 3, 2377-2382 (2012)	4	4	0.305	0.076	0
68.	<u>Lavinia Curecheriu</u> , Felicia Gheorghiu, Adelina Ianculescu, Liliana Mitoseriu	Non-linear dielectric properties of BiFeO ₃ ceramics, Applied Physics Letters, 99, 172904 (2011)	4	4	1.384	0.346	1.384
69.	<u>Lavinia P. Curecheriu</u> , Maria T. Buscaglia, Adelina C. Ianculescu, Raluca Frunza, Ioana Ciuchi, Alexandra Neagu, Gianina Apachitei, Alessio Bassano, Gionavanna Canu, Petronel Postolache, Liliana Mitoseriu, Vincenzo Buscaglia	Dielectric and magnetic properties of the Ba ₁₂ Fe ₂₈ Ti ₁₅ O ₈₄ layered ferrite, Journal of Physics D: Applied Physics 44, 435002 (2011)	12	8.5	0.898	0.106	0.898
70.	Adelina Ianculescu, Zina Violeta Mocanu, <u>Lavinia Curecheriu</u> , Leontin Padurariu, Liliana Mitoseriu, Roxana Trusca	Dielectric and tunability properties of La-doped BT ceramics, Journal of Alloys and Compounds, 509,10040– 10049 (2011)	6	5.5	0.507	0.092	0.507
71.	Zina Violeta Mocanu, Gianina Apachitei, Leontin Padurariu, Florin Tudorache, <u>Lavinia P. Curecheriu</u> , Liliana Mitoseriu	Impedance spectroscopy method for investigation of the polycrystalline inhomogeneous ceramics, European Physical Journal Applied Physics 56, 10102 (2011)	6	5.5	0.264	0.048	0.264

72.	<u>Lavinia P. Curecheriu</u> , Adelina C. Ianculescu, Nadejda Horchidan, Stefania Stoleriu, Florin Tudorache, Sorin Tascu, Liliana Mitoseriu	Temperature dependence of tunability of $\text{Ba}(\text{Sn}_x\text{Ti}_{1-x})\text{O}_3$ ceramics, Journal of Applied Physics 109, 084103 (2011)	7	6	0.834	0.139	0.834
73.	Nadejda Horchidan, Adelina Ianculescu, <u>Lavinia Curecheriu</u> , Florin Tudorache, Valentina Musteata, Stefania Stoleriu, Nicolae Dragan, Dorel Crisan, Sorin Tascu, Liliana Mitoseriu	Preparation and characterization of barium titanate stannate solid solution, Journal of Alloys and Compounds, 509, 4731-4737 (2011)	10	7.5	0.507	0.068	0
74.	<u>Lavinia Curecheriu</u> , Maria Teresa Buscaglia, Vincenzo Buscaglia, Zhe Zhao, Liliana Mitoseriu	Grain size effect on the nonlinear dielectric properties of barium titanate ceramics, Applied Physics Letters, 97, 242909 (2010)	5	5	1.399	0.280	1.399
75.	Adelina Ianculescu, Maria M. Carnasciali, <u>Lavinia Curecheriu</u> , Liliana Mitoseriu	Raman investigation and functional characterisation of $(\text{Pb}_{0.8}\text{La}_{0.2})(\text{Mg}_{0.4}\text{Nb}_{0.6})\text{O}_3$ ceramics prepared by the columbite method, Journal of Alloys and Compounds, 391-395, 508 (2010)	4	4	0.469	0.117	0.469
76.	Maria T. Buscaglia, Vincenzo Buscaglia, <u>Lavinia P. Curecheriu</u> , Petronel Postolache, Liliana Mitoseriu, Adelina Ianculescu, Bogdan Vasile, Zhao Zhe, Paolo Nanni	$\text{Fe}_2\text{O}_3@ \text{BaTiO}_3$ core-shell particles as reactive precursors for the preparation of multifunctional composites containing different magnetic phase, Chemistry of Materials 22, 4740-4748 (2010)	9	7	1.885	0.269	0
77.	<u>Lavinia P. Curecheriu</u> , Maria T. Buscaglia, Vincenzo Buscaglia, Liliana Mitoseriu, Petronel Postolache, Adelina Ianculescu, Paolo Nanni,	Functional properties of BaTiO_3 - $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ magnetoelectric ceramics prepared from powders with core-shell structure, Journal of Applied Physics, 107, 104106 (2010)	7	6	0.875	0.146	0.875
78.	<u>Lavinia P. Curecheriu</u> , Adelina Ianculescu, Liliana Mitoseriu	Tunability properties in the paraelectric state of the $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ceramics, Journal of the European Ceramic Society, 30, 599-603 (2010)	3	3	0.702	0.234	0.702
79.	<u>Lavinia P. Curecheriu</u> , Liliana Mitoseriu, Adelina Ianculescu	Nonlinear dielectric properties of $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ ceramics, Journal of Alloys and Compounds, 482, 1-4 (2009)	3	3	0.488	0.163	0.488
80.	<u>Lavinia P. Curecheriu</u> , Liliana Mitoseriu, Adelina Ianculescu	Tunability properties of the $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ relaxors and theoretical description, Journal of Alloys and Compounds, 485, 1-5 (2009)	3	3	0.488	0.163	0.488
81.	<u>Lavinia P. Curecheriu</u> , Cristina E. Ciomaga, Liliana Mitoseriu	Temperature-dependent tunability in the paraelectric state of BaTiO_3 – based solid solutions, Ferroelectrics, 391, 83-90 (2009)	3	3	0.169	0.056	0.169
82.	Felicia Prihor, Adelina Ianculescu, Liliana Mitoseriu, Petronel Postolache, <u>Lavinia Curecheriu</u> , Nicolae Dragan, Dorin Crisan	Functional properties of the $(1-x) \text{BiFeO}_3 - x\text{BaTiO}_3$, Ferroelectrics, 391, 76-82 (2009)	7	6	0.169	0.028	0

83.	Lavinia P. Curecheriu, Liliana Mitoseriu, Adelina Ianculescu, Ana Braileanu	Critical evolution of the local order parameters related to the nanopolar domains in $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ceramics, Applied Physics A, 97, 587-594 (2009)	4	4	0.63	0.158	0.63
84.	Liliana Mitoseriu, Adelina Ianculescu, Maria M. Carnasciali, Ana Braileanu, Lavinia Curecheriu	Properties of the $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ceramics prepared by using two different Mg precursors, Ferroelectrics, 369, 157-169 (2008)	5	5	0.176	0.035	0
85.	Adelina Ianculescu, Dana Berger, Liliana Mitoseriu, Lavinia P. Curecheriu, Nicolae Dragan, Dorin Crisan	Properties of $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ ceramics prepared by the modified Pechini method, Ferroelectrics, 369, 22-34 (2008)	6	5.5	0.176	0.032	0
86.	Lavinia P. Curecheriu, Florin M. Tufescu, Adelina Inaculescu, Cristina E. Ciomaga, Liliana Mitoseriu, Alexandru Stancu	Tunability characteristics of BaTiO_3 - based ceramics: modeling and experimental study, Journal of Optoelectronics and Advanced materials, 10, 1792-1795 (2008)	6	5.5	0.113	0.021	0.113
87.	Liliana Mitoseriu, Cristina E. Ciomaga, Ioan Dumitru, Lavinia P. Curecheriu, Felicia Prihor, Alexandra Guzu	Study of the frequency-dependence of the complex permittivity in $\text{Ba}(\text{Zr,Ti})\text{O}_3$ ceramics: evidences of the grain boundary phenomena, Journal of Optoelectronics and Advanced materials, 10, 1843-1846 (2008)	6	5.5	0.113	0.021	0
88.	Florin M. Tufescu, Lavinia Curecheriu, Adelina Ianculescu, Cristina Ciomaga, Liliana Mitoseriu	High-voltage tunability measurements of the $\text{BaZr}_x\text{Ti}_{1-x}\text{O}_3$ ferroelectric ceramics, Journal of Optoelectronics and Advanced materials, 10, 1894-1897 (2008)	5	5	0.113	0.023	0
89.	Lavinia Curecheriu, Ovidiu Avadanei, Ecaterina Focanici, Dorina E. Creanga, Simona Miclaus, I.E. Horga,	Investigation upon the radiofrequency radiation impact in the biological tissues, Romanian Journal of Physics, 53, 1-2, 387-392 (2008)	6	5.5	0	0	0
90.	Lavinia Curecheriu, Ecaterina Focanici, Alexandru Vlahovici, Ovidiu Avadanei, Dumitru D. Sandu, Dorina Creanga, Simona Miclaus	Radiofrequency wave effects on DNA and RNA levels in some animal tissues, Romanian Journal of Physics, 52, 389-394 (2007)	7	6	0	0	0
						11.01	27.72

3. Recunoașterea impactului activității

Nr. ctr.	Tipul activităților	Indicatori	Punctaj
1.	Citări în reviste științifice cu factor de impact care se regăsesc în InCites Journal Citation Reports sau în cărți în edituri recunoscute Web of Science. Nu se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul	$C = \sum_i c_i / n_i^{ef}$, unde c_i reprezintă numărul de citări în reviste ISI ale publicației i	337.79
2.	Indicele Hirsch	h	30

Lucrarea	Citată în:	Nr. autori	Nr. autori echivalenți	Nr. citări	C
Gabriela Turcanu, Iuliana Stoica, Raluca Marinica Albu, Cristian-Dragos Varganici, Mihaela Iuliana Avadanei, Andreea Irina Barzic, <u>Lavinia-Petronela Curecheriu</u> , Paola Stagnaro, Maria Teresa Buscaglia, Design of Polysaccharide-Based Nanocomposites for Eco-Friendly Flexible Electronics, Polymers, 17, 1612 (2025)		9	7.0	1	0.14
	Jain, Rajul, Singhal, Nishant, Vardhan, Harsh, Vashistha, Piyush, Bist, Yograj, Pandey, Aaysha, Wagri, Naresh Kumar, Gaur, Ashish, Polysaccharide-based functional materials for flexible electronics: A comprehensive review of synthesis strategies, functionalization, and applications, CARBOHYDRATE POLYMER TECHNOLOGIES AND APPLICATIONS 12, 101038 (2025)				
Ina Turcan, Lavinia Petronela Curecheriu, George Stoian, Ilarion Mihaila, Cristina Elena Ciomaga, Liliana Mitoseriu, Influence of sintering temperature on the electrical properties of SrTiO ₃ -BaZrTiO ₃ ceramics for energy storage applications, Ceramics International, 50, 12, 21898-21908 (2024)		6	5.5	7	1.27
	Zhang, W; Chen, S; (...); Pan, ZB, Multiscale synergistic engineering for high-performance BiFeO ₃ -based energy storage ceramics, CERAMICS INTERNATIONAL 51(26), pp.51299-51306, Nov 2025				
	Multiple relaxor phases driving excellent energy storage performance in Na _{0.5} Bi _{0.5} TiO ₃ -based ceramics <i>via</i> dual-site ion-pair structure design Gao, P; Wang, HJ; (...); Li, HJ, INORGANIC CHEMISTRY FRONTIERS 12(24), pp.8728-87, Dec 2 2025				
	Investigation of structural, dielectric, and magnetic study on Gd-doped BZT-BCT ceramics Otta, S; Kumar, S; (...); Kisan, B, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 36(26) Sep 2025				
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	Regulation of sintering procedure on property of DLP-printing SiO ₂ -Al ₂ O ₃ ceramic: Key of cristobalite precipitation Liu, YS; Li, WB; (...); Zeng, YJ, INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, 22(3), May 2025				
	Ceramic-ceramic nanocomposite materials for energy storage applications: A review Samantaray, S; Mallick, P; (...); Mohanty, D, JOURNAL OF ENERGY STORAGE 99, Oct 1 2024				
	Investigation of structural, morphological, dielectric, optical, and ferroelectric-energy storage properties of [(1-x) BCT-(x) BZT] electroceramics				

	Mandal, A; Yadav, D; (...); Yadav, KL, JOURNAL OF ALLOYS AND COMPOUNDS 995, Aug 15 2024				
Vlad Alexandru Lukacs, Radu Stirbu, Oana Andreea Condurache, <u>Lavinia Petronela Curecheriu</u> , Mirela Airimioaei, Cristina Elena Ciomaga, George Stoian, Gabriel Caruntu, Liliana Mitoseriu, Maria Teresa Buscaglia,		9	7.0	2	0.29
	Adsorption-mediated growth of hexagonal bipyramidal BeO via thermal decomposition for enhanced ceramic applications Wang, LH; Guan, JB; (...); Xia, LG, CERAMICS INTERNATIONAL 51(29), pp.61315-61327, Dec 2025				
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Criterii minimale pentru recunoașterea impactului activității:

Abilitare, CS I, profesor universitar: **$C \geq 40, h \geq 10$**

Punctaj total CNATDCU: **$T = A + P/2 + I/2 + C/20 + h/5$**

Abilitarea, CS I, profesor universitar: **$T \geq 12$**

Punctaj candidat: **$T = 7.46 + 13.86 + 5.505 + 16.8895 + 6 = 49.7145$**