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Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare – Domeniul Fizică
în conformitate cu Ordinul de ministru 6129 din 2016
Anexa 3 – Comisia de Fizică

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 in valoare de V euro 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	
			$A_1 = \sum_i 4 / n_i^{ef}$	$A_2 = \sum_i 1 / n_i^{ef}$	$A_3 = \sum_i 0.5 / n_i^{ef}$	$A_4 = \sum_i 0.5 / n_i^{ef}$	$A_5 = \sum_i 0.2 / n_i^{ef}$	$A_6 = \sum_i 0.2 / n_i^{ef}$	$A_7 = \sum_i 3 / n_i^{ef}$	$A_8 = \sum_i 0.5 / n_i^{ef}$	$A_9 = \sum_i 0.5$	$A_{10} = \sum_i V_i / 100.000$	$A = \sum_{i=1}^{10} A_i$	$I = \sum_i AIS_i / n_i^{ef}$	$P = \sum_i AIS_i$	$C = \sum_i c_i / n_i^{ef}$	h	
Ciomaga Cristina-Elena	CSII	FIZICĂ	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.38	0.50	4.00	**5.38**	**6.899**	**17.596**	**228.97**	**24**	**33.8782**

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

Criterii minimale	prof/CS I	Realizat
A	2	5.38
I	4	6.90
P	4	17.60
C	40	228,97
h	10	24.00
$T = A + P/2 + I/2 + C/20 + h/5$	12	33.88

I. Activitatea didactica si profesionala			
Tipul activităților			
1. Cărți în edituri internaționale recunoscute Web of Science în calitate de autor			
Date identificare	Numar autori	Numar efectiv	A1
Total A1			**0,000**
2. Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/ Review-uri în reviste cotate ISI			
Date identificare	Numar autori	Numar efectiv	A2
Magnetic, Ferroelectric, and Multiferroic Metal Oxides (Eds. B. Stojanovic, G. Korotcenkov), Elsevier, ISBN 978-0-12-811180-2 (2017), ***Chapter 21 Ferroelectric Perovskite-Spinel Ferrite Ceramics***, (26 pag.) by Cristina.E. Ciomaga and Liliana Mitoseriu	2	2	0,500
Total A2			**0,500**
3. Cărți în edituri internaționale recunoscute Web of Science în calitate de editor			
Date identificare	Numar autori	Numar efectiv	A3
Total A3			**0,000**
4. 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			
Date identificare	Numar autori	Numar efectiv	A4
Total A4			**0,000**
5. Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor			
Date identificare	Numar autori	Numar efectiv	A5

Total A5			**0,000**
6. Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI			
Date identificare	Numar autori	Numar efectiv	A6
Total A6			**0,000**
7. Brevete de invenție internaționale acordate			
Date identificare	Numar autori	Numar efectiv	A7
Total A7			**0,000**
8. Brevete de invenție naționale acordate			
Date identificare	Numar autori	Numar efectiv	A8
Autori: L. Mitoseriu, V. Pascariu, C.E. Ciomaga Titlul: ***Procedeu de preparare a compozitelor feroelectric-rasină epoxidică cu gradient compozițional pentru adaptare de impedanță în domeniul 2 - 4 GHz, si compozite astfel obtinute*** Brevet OSIM Nr. 130449/ 19.08.2014, 130449/2018	**3**	**3**	**0,167**
Autori: C. E. Ciomaga, M. Airimioaei, L. Mitoseriu, N. Lupu Titlul: ***Compozit ceramic de tipul $xCoFe_2O_4$-$(1-x)PbTiO_3$ și procedeul de obținere al acestuia*** Brevet OSIM Nr. A/00314 2017, RO-BOPI 11/2018, Nr. 132918/30.09.2022	**4**	**4**	**0,125**
Autori: F. M. Tufescu, L. Mitoseriu, C. E. Ciomaga, N. Lupu, M. V. Pop, F. Tufescu Titlul: ***Senzor de câmp magnetic variabil cu structură magnetoelectrică stratificată din ceramică $Pb(Zr,Ti)O_3$ și microbenzi din $Fe_{78}Si_9B_{13}$*** Brevet OSIM Nr. A/00422 2017, RO-BOPI 12/2018, 133010/2023	**6**	**5,5**	**0,091**
TOTAL A8			**0,383**
9. Director/ responsabil/ coordonator pentru programe de studii, programe de formare continuă, proiecte educaționale și proiecte de infrastructură (proiectele de cercetare se exclud)			
Date identificare			A9
Expert furnizare programe de cercetare avansata, CIM nr. 16166/28.02.2023, Proiect POCU 993/6/13/153322, My-SMIS 2014:153322, "Suport educațional și formativ pentru doctoranzi și tineri cercetători în pregătirea inserției în piața muncii", Universitatea „Alexandru Ioan Cuza” din Iași			**0,500**

Total A9			**0,500**
10. Director/ responsabil pentru proiecte de cercetare in valoare euro câștigate prin competiție națională sau internațională			
Date identificare	Suma totala in Euro		A10
PN-III-P4-ID-PCE-2020-1988, *Ingineria materialelor ceramice poroase fără plumb pentru obținerea de senzori piezo-, piroelectrici cu aplicații de colectare de energie*, acronim EnginPOR (2021-2023)	**246.047,93**		**2,460**
PN II–RU TE 187, nr. contract 35/5.08.2010, *Investigation of the volume, interface, and percolation effects in multifunctional composite materials and metamaterials with controlled geometry*, (2010-2013)	**118.629**		**1,186**
POSDRU/89/1.5/S/63663, *Studiul ceramicelor nanocompozite cu proprietati electromagnetice emergente - metamateriale. Cercetare si comunicare stiintifica. Popularizarea stiintifica: indicele de refractie negativ si invizibilitate electromagnetica* (2010-2013)	**32.875,6**		**0,329**
CNCSIS de tip BD cod 108, *Contributii la studiul relaxorilor feroelectrici*, (2003-2006)	**2.424,2**		**0,024**
Total A10			**4,000**
TOTAL			**5,382**

Punctaj realizat A1 : 0,5+0,382576+0,5+3,9997= 5,382 puncte

Criteriu minim necesar pentru ABILITARE, CSI, profesor universitar: A ≥ 2, îndeplinit.

2. Activitatea de cercetare (A2)

Nr. Crt.	Tipul activităților	Indicatori	Realizat
1	Articole științifice în extenso ca autor	$I = \sum_i \frac{AIS_i}{n_i^{ef}}$ **(Minimum I ≥ 4 pentru ABILITARE, CSI, profesor universitar)**	***I*=6,899** conform tabelului de mai jos
2	Articole științifice în extenso ca autor prim-autor sau autor corespondent.	$P = \sum_i AIS_i$ **(Minimum P ≥ 4 pentru ABILITARE, CSI, profesor universitar)**	**P=17,596** conform tabelului de mai jos

Criteriu minim necesar pentru ABILITARE, CSI, profesor universitar : I ≥ 4, P≥ 4 îndeplinit.

Nr. Crt.	Autori, Titlu articol, Jurnal, An, Vol., Pag	prim autor/ corespondent	Numar autori	Nr efectiv	AIS	I	P
1.	Horchidan, N., Curecheriu, L.P., Lukacs, V.A., Stirbu, R.S., Tufescu, F.M., Dumitru, I., Stoian, G., Ciomaga, C.E. Porosity effect on the functional properties and energy harvesting performance of Ba0.85Ca0.15Ti0.90Zr0.10O3 ceramics (2024) Journal of the American Ceramic Society, 107 (5), pp. 3230-3242. DOI: 10.1111/jace.19622	1	8	6,5	0,672	0,103	0,672
2.	Horchidan N., M. Airimioaei, G. Ababei, G. Stoian, I. Topală, M. Dobromir, M. Ignat, C.E. Ciomaga, M. Neamțu, Novel piezoelectric xNF–(1−x)PZT materials for	0	9	7	0,778	0,111	0,000

	catalytic/photocatalytic removal of pollutants, (2024) Surfaces and Interfaces 51, 104604, doi.org/10.1016/j.surfin.2024.104604						
3.	Lukacs, V.A., Stirbu, R., Condurache, O.A., Curecheriu, L.P., Airimioaei, M., Ciomaga, C.E., Stoian, G., Caruntu, G., Mitoseriu, L., Buscaglia, M.T., Cuboidal vs equiaxed: The role of nanopowder assembly during BaTiO3 ceramic pressing step, (2024) Journal of Materials Science and Technology, 189, pp. 13-24.DOI: 10.1016/j.jmst.2023.11.064	0	10	7,5	1,515	0,202	0,000
4.	Turcan, I., Curecheriu, L.-P., Stoian, G., Mihaila, I., Ciomaga, C.-E., Mitoseriu, L., Influence of sintering temperature on the electrical properties of SrTiO3–BaZrTiO3 ceramics for energy storage applications, (2024) Ceramics International, 50 (12), pp. 21898-21908. DOI: 10.1016/j.ceramint.2024.03.303	1	6	5,5	0,590	0,107	0,672
5.	Padurariu, L., Chamasemani, F.F., Brunner, R., Curecheriu, L.P., Lukacs, V.A., Stirbu, R.S., Ciomaga, C.E., Mitoseriu, L. Analysis of local vs. macroscopic properties of porous BaTiO3 ceramics based on 3D reconstructed ceramic microstructures (2023) Acta Materialia, 255, art. no. 119084. DOI: 10.1016/j.actamat.2023.119084	0	8	6,5	2,047	0,3149	0,000
6.	Mihai, L., Caruntu, G., Rotaru, A., Caruntu, D., Mykhailovych, V., Ciomaga, C.E., Horchidan, N., Stancalie, A., Marcu, A. GHz—THz Dielectric Properties of Flexible Matrix-Embedded BTO Nanoparticles (2023) Materials, 16 (3), art. no. 1292. DOI: 10.3390/ma16031292	0	9	7	0,511	0,073	0,000
7.	Padurariu, L., Horchidan, N., Ciomaga, C.E., Curecheriu, L.P., Lukacs, V.A., Stirbu, R.S., Stoian, G., Botea, M., Florea, M., Maraloiu, V.A., Pintilie, L., Rotaru, A., Mitoseriu, L.,Influence of Ferroelectric Filler Size and Clustering on the Electrical Properties of (Ag-BaTiO3)-PVDF Sub-Percolative Hybrid Composites (2023) ACS Applied Materials and Interfaces, 15 (4), pp. 5744-5759. DOI: 10.1021/acsami.2c15641	0	13	9	1,655	0,184	0,000
8.	Ciomaga, C.E., Curecheriu, L.P., Lukacs, V.A., Horchidan, N., Doroftei, F., Valois, R., Lheureux, M., Chambrier, M.H., Mitoseriu, L., Optimization of Processing Steps for Superior Functional Properties of (Ba, Ca)(Zr, Ti)O3 Ceramics (2022) Materials, 15 (24), art. no. 8809. DOI: 10.3390/ma15248809	1	9	7	0,541	0,077	0,541
9.	Curecheriu, L., Buscaglia, M.T., Lukacs, V.A., Padurariu, L., Ciomaga, C.E., Role of Density and Grain Size on the Electrocaloric Effect in Ba0.90Ca0.10TiO3 Ceramics (2022) Materials, 15 (21), art. no. 7825. DOI: 10.3390/ma15217825	0	5	5	0,541	0,108	0,000
10.	Ciomaga, C.E., Horchidan, N., Padurariu, L., Stirbu, R.S., Tiron, V., Tufescu, F.M., Topala, I., Condurache, O., Botea, M., Pintilie, I., Pintilie, L., Rotaru, A., Caruntu, G., Mitoseriu, L., BaTiO3 nanocubes-Gelatin composites for piezoelectric harvesting:	0	14	9,5	0,762	0,080	0,000

	Modeling and experimental study (2022) Ceramics International, 48 (18), pp. 25880-25893. DOI: 10.1016/j.ceramint.2022.05.264						
11.	Lukacs, V.A., Airimioaei, M., Padurariu, L., Curecheriu, L.P., Ciomaga, C.E., Bencan, A., Drazic, G., Avakian, M., Jones, J.L., Stoian, G., Deluca, M., Brunner, R., Rotaru, A., Mitoseriu, L., Phase coexistence and grain size effects on the functional properties of BaTiO3 ceramics (2022) Journal of the European Ceramic Society, 42 (5), pp. 2230-2247. DOI: 10.1016/j.jeurceramsoc.2021.12.024	1	14	9,5	0,552	0,058	0,552
12.	Horchidan, N., Ciomaga, C.E., Curecheriu, L.P., Stoian, G., Botea, M., Florea, M., Maraloiu, V.A., Pintilie, L., Tufescu, F.M., Tiron, V., Rotaru, A., Mitoseriu, L., Increasing Permittivity and Mechanical Harvesting Response of PVDF-Based Flexible Composites by Using Ag Nanoparticles onto BaTiO3 Nanofillers (2022) Nanomaterials, 12 (6), art. no. 934. DOI: 10.3390/nano12060934	1	12	8,5	0,738	0,087	0,738
13.	Padurariu, L., Curecheriu, L.-P., Ciomaga, C.-E., Airimioaei, M., Horchidan, N., Cioclea, C., Lukacs, V.-A., Stirbu, R.-S., Mitoseriu, L., Modifications of structural, dielectric and ferroelectric properties induced by porosity in BaTiO3 ceramics with phase coexistence (2022) Journal of Alloys and Compounds, 889, art. no. 161699. DOI: 10.1016/j.jallcom.2021.161699	0	9	7	0,7	0,100	0,000
14.	Lukacs, V.A., Caruntu, G., Condurache, O., Ciomaga, C.E., Curecheriu, L.P., Padurariu, L., Ignat, M., Airimioaei, M., Stoian, G., Rotaru, A., Mitoseriu, L., Preparation and properties of porous BaTiO3 nanostructured ceramics produced from cuboidal nanocrystals (2021) Ceramics International, 47 (13), pp. 18105-18115. DOI: 10.1016/j.ceramint.2021.03.128	0	11	8	0,552	0,069	0,000
15.	Racles, C., Asandulesa, M., Tiron, V., Tugui, C., Vornicu, N., Ciubotaru, B.-I., Mičušík, M., Omastová, M., Vasiliu, A.-L., Ciomaga, C., Elastic composites with PDMS matrix and polysulfone-supported silver nanoparticles as filler (2021) Polymer, 217, art. no. 123480. DOI: 10.1016/j.polymer.2021.123480	0	10	7,5	0,626	0,083	0,000
16.	Horchidan, N., Curecheriu, L., Ciomaga, C.E., Lupu, N., Mitoseriu, L., Preparation and Functional Properties of BaTiO3-BaGeO3Ceramics (2021) IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 68 (2), art. no. 9079543, pp. 279-287. DOI: 10.1109/TUFFC.2020.2990755	0	5	5	0,601	0,120	0,000
17.	Curecheriu, L., Lukacs, V.A., Padurariu, L., Stoian, G., Ciomaga, C.E., Effect of porosity on functional properties of lead-free piezoelectric BaZr0.15Ti0.85O3 porous ceramics, (2020) Materials, 13 (15), art. no. 3324. DOI: 10.3390/ma13153324	0	5	5	0,595	0,119	0,000
18.	Horchidan, N., Padurariu, L., Ciomaga, C.E., Curecheriu, L., Airimioaei, M., Doroftei, F., Tufescu, F., Mitoseriu, L., Room temperature phase superposition as origin of	0	8	6,5	0,808	0,124	0,000

	enhanced functional properties in BaTiO3 - based ceramics (2020) Journal of the European Ceramic Society, 40 (4), pp. 1258-1268. DOI: 10.1016/j.jeurceramsoc.2019.11.088						
19.	Lukacs, V.A., Turcan, I., Padurariu, L., Curecheriu, L., Cernescu, A., Stoian, G., Ciomaga, C.E., Tufescu, F., Lupu, N., Mitoseriu, L., Nonlinear dielectric properties of BaTiO3 - Silver composites: The role of microstructure (2020) Journal of Alloys and Compounds, 817, art. no. 153336. DOI: 10.1016/j.jallcom.2019.153336	0	10	7,5	0,716	0,095	0,000
20.	Airimioaei, M., Lukacs, V.A., Lisiecki, I., Beaunier, P., Blanchard, J., Lutic, D., Tascu, S., Postolache, P., Ciomaga, C.E., Olariu, M., Mitoseriu, L., Biomorphic tubular nickel oxide structures: Effect of the synthesis parameters on their structural and functional properties, surface-related applications (2020) Journal of Alloys and Compounds, 816, art. no. 152543. DOI: 10.1016/j.jallcom.2019.152543	1	11	8	0,716	0,090	0,716
21.	Lukacs, V.A., Stanculescu, R., Curecheriu, L., Ciomaga, C.E., Horchidan, N., Cioclea, C., Mitoseriu, L., Structural and functional properties of BaTiO3 porous ceramics produced by using pollen as sacrificial template (2020) Ceramics International, 46 (1), pp. 523-530. DOI: 10.1016/j.ceramint.2019.08.292	0	7	6	0,545	0,091	0,000
22.	Ciomaga, C.E., Guzu, A., Airimioaei, M., Curecheriu, L.P., Lukacs, V.A., Avadanei, O.G., Stoian, G., Grigoras, M., Lupu, N., Asandulesa, M., Mitoseriu, L., Comparative study of magnetoelectric BaTiO3–Co0.8Zn0.2Fe2O4 bi-tunable ceramics sintered by Spark Plasma Sintering and classical method (2019) Ceramics International, 45 (18), pp. 24168-24175. DOI: 10.1016/j.ceramint.2019.08.125	1	11	8	0,478	0,060	0,478
23.	Guzu, A., Ciomaga, C.E., Airimioaei, M., Padurariu, L., Curecheriu, L.P., Dumitru, I., Gheorghiu, F., Stoian, G., Grigoras, M., Lupu, N., Asandulesa, M., Mitoseriu, L., Functional properties of randomly mixed and layered BaTiO3 - CoFe2O4 ceramic composites close to the percolation limit (2019) Journal of Alloys and Compounds, 796, pp. 55-64. DOI: 10.1016/j.jallcom.2019.05.068	1	12	8,5	0,629	0,074	0,629
24.	Ciomaga, C.E., Airimioaei, M., Turcan, I., Lukacs, A.V., Tascu, S., Grigoras, M., Lupu, N., Banys, J., Mitoseriu, L., Functional properties of percolative CoFe2O4-PbTiO3 composite ceramics (2019) Journal of Alloys and Compounds, 775, pp. 90-99. DOI: 10.1016/j.jallcom.2018.10.088	1	9	7	0,629	0,090	0,629
25.	Gheorghiu, F., Ciomaga, C.E., Simenas, M., Airimioaei, M., Qiao, S., Tascu, S., Kalendra, V., Banys, J., Avadanei, O.G., Mitoseriu, L., Preparation and functional characterization of magnetoelectric Ba(Ti1-xFex)O3-x/2 ceramics. Application for a miniaturized resonator antenna (2018) Ceramics International, 44 (17), pp. 20862-20870. DOI: 10.1016/j.ceramint.2018.08.091	0	10	7,5	0,454	0,061	0,000

26.	Turcan, I., Lukacs, V.A., Curecheriu, L., Padurariu, L., Ciomaga, C.E., Airimioaei, M., Stoian, G., Lupu, N., Mitoseriu, L., Microstructure and dielectric properties of Ag-BaTiO3 composite ceramics (2018) Journal of the European Ceramic Society, 38 (16), pp. 5420-5429. DOI: 10.1016/j.jeurceramsoc.2018.08.002	0	9	7	0,707	0,101	0,000
27.	Stanculescu, R.E., Horchidan, N., Galassi, C., Asandulesa, M., Padurariu, L., Ciomaga, C.E., Mitoseriu, L., Porous (Ba,Sr)TiO3 ceramics for tailoring dielectric and tunability properties: Modelling and experiment (2017) Processing and Application of Ceramics, 11 (4), pp. 235-246. DOI: 10.2298/PAC1704235S	1	7	6	0,19	0,032	0,190
28.	Airimioaei, M., Buscaglia, M.T., Tredici, I., Anselmi-Tamburini, U., Ciomaga, C.E., Curecheriu, L., Bencan, A., Buscaglia, V., Mitoseriu, L., SrTiO3-BaTiO3 nanocomposites with temperature independent permittivity and linear tunability fabricated using field-assisted sintering from chemically synthesized powders (2017) Journal of Materials Chemistry C, 5 (35), pp. 9028-9036. DOI: 10.1039/c7tc02629c	0	9	7	1,133	0,162	0,000
29.	Gheorghiu, F., Simenas, M., Ciomaga, C.E., Airimioaei, M., Kalendra, V., Banys, J., Dobromir, M., Tascu, S., Mitoseriu, L., Preparation and structural characterization of Fe-doped BaTiO3 diluted magnetic ceramics (2017) Ceramics International, 43 (13), pp. 9998-10005. DOI: 10.1016/j.ceramint.2017.05.013	1	9	7	0,437	0,062	0,437
30.	Sakanas, A., Nuzhnyy, D., Grigalaitis, R., Banys, J., Borodavka, F., Kamba, S., Ciomaga, C.E., Mitoseriu, L., Dielectric and phonon spectroscopy of Nb-doped Pb(Zr1-yTiy)O3-CoFe2O4 composites (2017) Journal of Applied Physics, 121 (21), art. no. 214101. DOI: 10.1063/1.4984199	0	7	6	0,561	0,094	0,000
31.	Padurariu, C., Padurariu, L., Curecheriu, L., Ciomaga, C., Horchidan, N., Galassi, C., Mitoseriu, L., Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics (2017) Ceramics International, 43 (7), pp. 5767-5773. DOI: 10.1016/j.ceramint.2017.01.123	0	7	6	0,437	0,073	0,000
32.	Gheorghiu, F., Padurariu, L., Airimioaei, M., Curecheriu, L., Ciomaga, C., Padurariu, C., Galassi, C., Mitoseriu, L., Porosity-dependent properties of Nb-doped Pb(Zr,Ti)O3 ceramics (2017) Journal of the American Ceramic Society, 100 (2), pp. 647-658. DOI: 10.1111/jace.14587	0	8	6,5	0,643	0,099	0,000
33.	Condurache, O., Turcan, I., Curecheriu, L., Ciomaga, C., Postolache, P., Ciobanu, G., Mitoseriu, L., Towards novel functional properties by interface reaction in mixtures of BaTiO3-Fe2O3 composite ceramics (2017) Ceramics International, 43 (1), pp. 1098-1105. DOI: 10.1016/j.ceramint.2016.10.047	0	7	6	0,437	0,073	0,000
34.	Galizia, P., Ciomaga, C.E., Mitoseriu, L., Galassi, C., PZT-cobalt ferrite particulate composites: Densification and lead loss controlled by quite-fast sintering (2017)	0	4	4	0,679	0,170	0,000

	Journal of the European Ceramic Society, 37 (1), pp. 161-168. DOI: 10.1016/j.jeurceramsoc.2016.08.025						
35.	Airimioaei, M., Stanculescu, R., Preutu, V., Ciomaga, C., Horchidan, N., Tascu, S., Lutic, D., Pui, A., Mitoseriu, L., Effect of particle size and volume fraction of BaTiO3 powders on the functional properties of BaTiO3/poly(ε-caprolactone) composites (2016) Materials Chemistry and Physics, 182, pp. 246-255. DOI: 10.1016/j.matchemphys.2016.07.029	0	9	7	0,449	0,064	0,000
36.	Curecheriu, L.P., Ciomaga, C.E., Musteata, V., Canu, G., Buscaglia, V., Mitoseriu, L., Diffuse phase transition and high electric field properties of BaCeyTi1-yO3 relaxor ferroelectric ceramics (2016) Ceramics International, 42 (9), pp. 11085-11092. DOI: 10.1016/j.ceramint.2016.04.008	0	6	5,5	0,46	0,084	0,000
37.	Horchidan, N., Ciomaga, C.E., Frunza, R.C., Capiani, C., Galassi, C., Mitoseriu, L., A comparative study of hard/soft PZT-based ceramic composites (2016) Ceramics International, 42 (7), pp. 9125-9132. DOI: 10.1016/j.ceramint.2016.02.179	1	6	5,5	0,46	0,084	0,460
38.	Ciomaga, C.E., Avadanei, O.G., Dumitru, I., Airimioaei, M., Tascu, S., Tufescu, F., Mitoseriu, L., Engineering magnetoelectric composites towards application as tunable microwave filters (2016) Journal of Physics D: Applied Physics, 49 (12), art. no. 125002. DOI: 10.1088/0022-3727/49/12/125002	1	7	6	0,761	0,127	0,761
39.	Stanculescu, R.E., Ciomaga, C.E., Horchidan, N., Galassi, C., Tufescu, F.M., Mitoseriu, L., The influence of post-sintering re-oxidation treatment on dielectric response of dense and porous Ba0.70Sr0.30TiO3 ceramics (2016) Ceramics International, 42 (1), pp. 527-536. DOI: 10.1016/j.ceramint.2015.08.141	1	6	5,5	0,46	0,084	0,460
40.	Stanculescu, R., Ciomaga, C.E., Padurariu, L., Galizia, P., Horchidan, N., Capiani, C., Galassi, C., Mitoseriu, L., Study of the role of porosity on the functional properties of (Ba,Sr)TiO3 ceramics (2015) Journal of Alloys and Compounds, 643, pp. 79-87. DOI: 10.1016/j.jallcom.2015.03.252	1	8	6,5	0,558	0,086	0,558
41.	Balmus, S.-B., Ciomaga, C.E., Horchidan, N., Mitoseriu, L., Dumitru, I., Improvement of impedance spectroscopy methods: Resonance analysis of samples (2015) Measurement Science and Technology, 26 (6), art. no. 065601. DOI: 10.1088/0957-0233/26/6/065601	0	5	5	0,505	0,101	0,000
42.	Ciomaga, C.E., Padurariu, L., Curecheriu, L.P., Lupu, N., Lisiecki, I., Deluca, M., Tascu, S., Galassi, C., Mitoseriu, L., Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr0.47Ti0.53)O3 ceramics for tailoring dielectric and tunability properties (2014) Journal of Applied Physics, 116 (16), art. no. 164110. DOI: 10.1063/1.4900527	1	9	7	0,682	0,097	0,682

43.	Mocanu, Z.V., Airimioaei, M., Ciomaga, C.E., Curecheriu, L., Tudorache, F., Tascu, S., Iordan, A.R., Palamaru, N.M., Mitoseriu, L., Investigation of the functional properties of Mg x Ni 1-x Fe2O4 ceramics (2014) Journal of Materials Science, 49 (8), pp. 3276-3286. DOI: 10.1007/s10853-014-8033-6	1	9	7	0,592	0,085	0,592
44.	Ciomaga, C.E., Neagu, A.M., Pop, M.V., Airimioaei, M., Tascu, S., Schileo, G., Galassi, C., Mitoseriu, L., Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites (2013) Journal of Applied Physics, 113 (7), art. no. 074103. DOI: 10.1063/1.4792494	1	8	6,5	0,724	0,111	0,724
45.	Ciomaga, Cristina E., Stefania Olariu, C., Padurariu, L., Victor Sandu, A., Galassi, C., Mitoseriu, L., Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling (2012) Journal of Applied Physics, 112 (9), art. no. 094103. DOI: 10.1063/1.4764037	1	6	5,5	0,796	0,145	0,796
46.	Deluca, M., Vasilescu, C.A., Ianculescu, A.C., Berger, D.C., Ciomaga, C.E., Curecheriu, L.P., Stoleriu, L., Gajovic, A., Mitoseriu, L., Galassi, C., Investigation of the composition-dependent properties of BaTi 1-xZr xO 3 ceramics prepared by the modified Pechini method (2012) Journal of the European Ceramic Society, 32 (13), pp. 3551-3566. DOI: 10.1016/j.jeurceramsoc.2012.05.007	0	10	7,5	0,69	0,092	0,000
47.	Ciomaga, C.E., Airimioaei, M., Nica, V., Hrib, L.M., Caltun, O.F., Iordan, A.R., Galassi, C., Mitoseriu, L., Palamaru, M.N., Preparation and magnetoelectric properties of NiFe 2O 4-PZT composites obtained in-situ by gel-combustion method (2012) Journal of the European Ceramic Society, 32 (12), pp. 3325-3337. DOI: 10.1016/j.jeurceramsoc.2012.03.041	1	9	7	0,69	0,099	0,690
48.	Ciomaga, C.E., Balmus, S.B., Dumitru, I., Mitoseriu, L., Experimental and analytical modeling of resonant permittivity and permeability in ferroelectric-ferrite composites in microwave range (2012) Journal of Applied Physics, 111 (12), art. no. 124114. DOI: 10.1063/1.4730785	1	4	4	0,796	0,199	0,796
49.	Aruxandei, C.D., Cornei, N., Huţanu, C.A., Ciomaga, C.E., Samoila, P.M., Iordan, A.R., Palamaru, M.N., Sol-gel synthesis and characterization of LiMn2-xCu xO4 spinels (2012) Revista de Chimie, 63 (1), pp. 14-17	0	7	6	0,048	0,008	0,000
50.	Ciomaga, C.E., Buscaglia, M.T., Buscaglia, V., Mitoseriu, L., Oxygen deficiency and grain boundary-related giant relaxation in Ba(Zr,Ti)O 3 ceramics (2011) Journal of Applied Physics, 110 (11), art. no. 114110. DOI: 10.1063/1.3664749	1	4	4	0,836	0,209	0,836
51.	Airimioaei, M., Ciomaga, C.E., Apostolescu, N., Leontie, L., Iordan, A.R., Mitoseriu, L., Palamaru, M.N., Synthesis and functional properties of the Ni1-xMn xFe2O4	1	7	6	0,509	0,085	0,509

	ferrites (2011) Journal of Alloys and Compounds, 509 (31), pp. 8065-8072. DOI: 10.1016/j.jallcom.2011.05.034						
52.	Ciomaga, C.E., Dumitru, I., Mitoseriu, L., Galassi, C., Iordan, A.R., Airimioaei, M., Palamaru, M.N., Magnetoelectric ceramic composites with double-resonant permittivity and permeability in GHz range: A route towards isotropic metamaterials (2010) Scripta Materialia, 62 (8), pp. 610-612. DOI: 10.1016/j.scriptamat.2010.01.005	1	7	6	1,21	0,202	1,210
53.	Ricinschi, D., Ciomaga, C.E., Mitoseriu, L., Buscaglia, V., Okuyama, M., Ferroelectric-relaxor crossover characteristics in Ba(ZrxTi1-x)O3 ceramics investigated by AFM-piezoresponse study (2010) Journal of the European Ceramic Society, 30 (2), pp. 237-241. DOI: 10.1016/j.jeurceramsoc.2009.05.022	0	5	5	0,703	0,141	0,000
54.	Ciomaga, C.E., Galassi, C., Prihor, F., Dumitru, I., Mitoseriu, L., Iordan, A.R., Airimioaei, M., Palamaru, M.N., Preparation and properties of the CoFe2O4-Nb-Pb(Zr,Ti)O3 multiferroic composites prepared in situ by gel-combustion method (2009) Journal of Alloys and Compounds, 485 (1-2), pp. 372-378. DOI: 10.1016/j.jallcom.2009.05.101	1	8	6,5	0,488	0,075	0,488
55.	Iordan, A.R., Airimioaiei, M., Palamaru, M.N., Galassi, C., Sandu, A.V., Ciomaga, C.E., Prihor, F., Mitoseriu, L., Ianculescu, A., In situ preparation of CoFe2O4-Pb(ZrTi)O3 multiferroic composites by gel-combustion technique (2009) Journal of the European Ceramic Society, 29 (13), pp. 2807-2813. DOI: 10.1016/j.jeurceramsoc.2009.03.031	1	9	7	0,664	0,095	0,664
56.	Curecheriu, L.P., Ciomaga, C.E., Mitoseriu, L., Temperature-dependent tunability in the paraelectric state of BaTiO 3-based solid solutions, (2009) Ferroelectrics, 391 (1 PART 3), pp. 83-90. DOI: 10.1080/00150190903001748	0	3	3	0,169	0,056	0,000
57.	Ciomaga, C.E., Buscaglia, M.T., Viviani, M., Mitoseriu, L., Buscaglia, V., Nanni, P., Compositionally induced ferroelectric-relaxor crossover in Ba(Zr,Ti)O 3 ceramics (2008) Journal of Optoelectronics and Advanced Materials, 10 (9), pp. 2367-2372	1	6	5,5	0,113	0,021	0,113
58.	Curecheriu, L.P., Tufesclt, F.M., Ianculescu, A., Ciomaga, C.E., Mitoseriu, L., Stancu, A., Tunability characteristics of BaTiO3 - Based ceramics: Modeling and experimental study (2008) Journal of Optoelectronics and Advanced Materials, 10 (7), pp. 1792-1795	0	6	5,5	0,113	0,021	0,000
59.	Mitoseriu, L., Ciomaga, C.E., Dumitru, I., Curecheriu, L.P., Prihor, F., Guzu, A., Study of the frequency-dependence of the complex permittivity in Ba(Zr,Ti)O3 ceramics: Evidences of the grain boundary phenomena (2008) Journal of Optoelectronics and Advanced Materials, 10 (7), pp. 1843-1846	0	6	5,5	0,113	0,021	0,000

60.	Tufescu, F.M., Curecheriu, L., Ianculescu, A., Ciomaga, C.E., Mitoseriu, L., High-voltage tunability measurements of the BaZrxTi1-xO3 ferroelectric ceramics (2008) Journal of Optoelectronics and Advanced Materials, 10 (7), pp. 1894-1897	0	5	5	0,113	0,023	0,000
61.	Mitoseriu, L., Pallecchi, I., Buscaglia, V., Testino, A., Ciomaga, C.E., Stancu, A., Magnetic properties of the BaTiO3-(Ni,Zn)Fe2O4 multiferroic composites (2007) Journal of Magnetism and Magnetic Materials, 316 (2 SPEC. ISS.), pp. e603-e606. DOI: 10.1016/j.jmmm.2007.03.036	0	6	5,5	0,487	0,089	0,000
62.	Ianculescu, A., Berger, D., Viviani, M., Ciomaga, C.E., Mitoseriu, L., Vasile, E., Drăgan, N., Crişan, D., Investigation of Ba1-xSrxTiO3 ceramics prepared from powders synthesized by the modified Pechini route (2007) Journal of the European Ceramic Society, 27 (13-15), pp. 3655-3658. DOI: 10.1016/j.jeurceramsoc.2007.02.017	0	8	6,5	0,639	0,098	0,000
63.	Mitoseriu, L., Ciomaga, C.E., Buscaglia, V., Stoleriu, L., Piazza, D., Galassi, C., Stancu, A., Nanni, P., Hysteresis and tunability characteristics of Ba(Zr,Ti)O3 ceramics described by First Order Reversal Curves diagrams (2007) Journal of the European Ceramic Society, 27 (13-15), pp. 3723-3726. DOI: 10.1016/j.jeurceramsoc.2007.02.085	0	8	6,5	0,639	0,098	0,000
64.	Ciomaga, C., Viviani, M., Buscaglia, M.T., Buscaglia, V., Mitoseriu, L., Stancu, A., Nanni, P., Preparation and characterisation of the Ba(Zr,Ti)O3 ceramics with relaxor properties (2007) Journal of the European Ceramic Society, 27 (13-15), pp. 4061-4064. DOI: 10.1016/j.jeurceramsoc.2007.02.095	1	7	6	0,639	0,107	0,639
65.	Ciomaga, C.E., Calderone, R., Buscaglia, M.T., Viviani, M., Buscaglia, V., Mitoseriu, L., Stancu, A., Nanni, P., Relaxor properties of Ba(Zr,Ti)O3 ceramics (2006) Journal of Optoelectronics and Advanced Materials, 8 (3), pp. 944-948	1	8	6,5	0,161	0,025	0,161
66.	Ianculescu, A., Mitoseriu, L., Berger, D., Ciomaga, C.E., Piazza, D., Galassi, C., Composition-dependent ferroelectric properties of Ba1-xSr xTiO3 ceramics (2006) Phase Transitions, 79 (6-7), pp. 375-388. DOI: 10.1080/01411590600892062	0	6	5,5	0,285	0,052	0,000
67.	Ciomaga, C.E., Buscaglia, M.T., Viviani, M., Buscaglia, V., Mitoseriu, L., Stancu, A., Nanni, P., Preparation and dielectric properties of BaZr0.1Ti 0.9O3 ceramics with different grain sizes (2006) Phase Transitions, 79 (6-7), pp. 389-397. DOI: 10.1080/01411590600892120	1	7	6	0,285	0,048	0,285
68.	Fecioru-Morariu, M., Ricinschi, D., Postolache, P., Ciomaga, C.E., Stancu, A., Mitoseriu, L., First order reversal curves and hysteresis loops of ferroelectric films described by phenomenological models (2004) Journal of Optoelectronics and Advanced Materials, 6 (3), pp. 1059-1063	0	6	5,5	0,112	0,020	0,000

69.	Mitoseriu, L., Ciomaga, C.E., Stancu, A., Evolution of the nanopolar order in (l-x)PbFe2/3W 1/3O3-xPbTiO3 relaxor investigated by Raman and dielectric study (2004) Journal of Optoelectronics and Advanced Materials, 6 (3), pp. 1085-1088	0	3	3	0,112	0,037	0,000
70.	Mitoseriu, L., Marré, D., Siri, A.S., Stancu, A., Fedor, C.E., Nanni, P., Magnetoelectric coupling in the multiferroic PbFe2/3W 1/3O3-PbTiO3 system (2004) Journal of Optoelectronics and Advanced Materials, 6 (2), pp. 723-728	0	6	5,5	0,112	0,020	0,000
71.	Mitoseriu, L., Fedor, C.E., Viviani, M., Buscaglia, M.T., Buscaglia, V., Testino, A., Nanni, P., Ferroelectric-semiconductive properties of BaTiO3 - Based PTCR ceramics (2003) Journal of Optoelectronics and Advanced Materials, 5 (3), pp. 763-768	0	7	6	0,112	0,019	0,000
72.	Mitoseriu, L., Stancu, A., Fedor, C.E., Analysis of the dielectric constant data of relaxors within a Landau-type theory (2003) Journal of Optoelectronics and Advanced Materials, 5 (3), pp. 787-790	0	3	3	0,112	0,037	0,000
73.	Mitoseriu, L., Stancu, A., Fedor, C., Vilarinho, P.M., Analysis of the composition-induced transition from relaxor to ferroelectric state in PbFe2/3W1/3O3-PbTiO 3 solid solutions (2003) Journal of Applied Physics, 94 (3), pp. 1918-1925. DOI: 10.1063/1.1586470	0	4	4	0,875	0,219	0,000
74.	Mitoseriu, L., Viviani, M., Ricinschi, D., Fedor, C., Nanni, P., Simulation of Positive Temperature Coefficient of Resistivity (PTCR) behaviour in n-doped BaTiO3 ceramics, (2002) Japanese Journal of Applied Physics, Part 1: Regular Papers and Short Notes and Review Papers, 41 (11 B), pp. 7189-7194. DOI: 10.1143/JJAP.41.7189	0	5	5	0,361	0,072	0,000
TOTAL						**6,899**	**17,596**

3. Recunoaşterea şi impactul activităţii

Nr. Crt.	Tipul activităților	Indicatori	Realizat
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	$C = \sum_i \frac{c_i}{n_i^{ef}}$ **(Minimum C ≥40 pentru ABILITARE, CSI, profesor universitar)**	**C=228.97** conform tabelului de mai jos
2	Indicele *Hirsch*	h **(Minimum $h \geq 10$ pentru ABILITARE, CSI, profesor universitar)**	**h=24**

Criteriu minim necesar pentru ABILITARE, CSI, profesor universitar: C ≥ 40, îndeplinit.

Nr. Crt.	Autori, Titlu articol, Jurnal, An, Vol., Pag	prim autor/ corespondent	Nr. autori	Nr. efectiv	Nr. citari (fara autocitari)	C
1.	Horchidan, N., Curecheriu, L.P., Lukacs, V.A., Stirbu, R.S., Tufescu, F.M., Dumitru, I., Stoian, G., Ciomaga, C.E. Porosity effect on the functional properties and energy harvesting performance of Ba0.85Ca0.15Ti0.90Zr0.10O3 ceramics (2024) Journal of the American Ceramic Society, 107 (5), pp. 3230-3242. DOI: 10.1111/jace.19622	1	8	6,5	3	0.46
2.	Horchidan N., M. Airimioaei, G. Ababei, G. Stoian, I. Topală, M. Dobromir, M. Ignat, C.E. Ciomaga, M. Neamțu, Novel piezoelectric xNF–(1−x)PZT materials for catalytic/photocatalytic removal of pollutants, (2024) Surfaces and Interfaces 51, 104604, doi.org/10.1016/j.surfin.2024.104604	0	9	7	0	0.00

3.	Lukacs, V.A., Stirbu, R., Condurache, O.A., Curecheriu, L.P., Airimioaei, M., Ciomaga, C.E., Stoian, G., Caruntu, G., Mitoseriu, L., Buscaglia, M.T., Cuboidal vs equiaxed: The role of nanopowder assembly during BaTiO3 ceramic pressing step, (2024) Journal of Materials Science and Technology, 189, pp. 13-24.DOI: 10.1016/j.jmst.2023.11.064	0	10	7,5	1	0.13
4.	Turcan, I., Curecheriu, L.-P., Stoian, G., Mihaila, I., Ciomaga, C.-E., Mitoseriu, L., Influence of sintering temperature on the electrical properties of SrTiO3–BaZrTiO3 ceramics for energy storage applications, (2024) Ceramics International, 50 (12), pp. 21898-21908. DOI: 10.1016/j.ceramint.2024.03.303	1	6	5,5	2	0.36
5.	Padurariu, L., Chamasemani, F.F., Brunner, R., Curecheriu, L.P., Lukacs, V.A., Stirbu, R.S., Ciomaga, C.E., Mitoseriu, L. Analysis of local vs. macroscopic properties of porous BaTiO3 ceramics based on 3D reconstructed ceramic microstructures (2023) Acta Materialia, 255, art. no. 119084. DOI: 10.1016/j.actamat.2023.119084	0	8	6,5	2	0.31
6.	Mihai, L., Caruntu, G., Rotaru, A., Caruntu, D., Mykhailovych, V., Ciomaga, C.E., Horchidan, N., Stancalie, A., Marcu, A. GHz—THz Dielectric Properties of Flexible Matrix-Embedded BTO Nanoparticles (2023) Materials, 16 (3), art. no. 1292. DOI: 10.3390/ma16031292	0	9	7	1	0.14
7.	Padurariu, L., Horchidan, N., Ciomaga, C.E., Curecheriu, L.P., Lukacs, V.A., Stirbu, R.S., Stoian, G., Botea, M., Florea, M., Maraloiu, V.A., Pintilie, L., Rotaru, A., Mitoseriu, L.,Influence of Ferroelectric Filler Size and Clustering on the Electrical Properties of (Ag-BaTiO3)-PVDF Sub-Percolative Hybrid Composites (2023) ACS Applied Materials and Interfaces, 15 (4), pp. 5744-5759. DOI: 10.1021/acsami.2c15641	0	13	9	6	0.67
8.	Ciomaga, C.E., Curecheriu, L.P., Lukacs, V.A., Horchidan, N., Doroftei, F., Valois, R., Lheureux, M., Chambrier, M.H., Mitoseriu, L., Optimization of Processing Steps for Superior Functional Properties of (Ba, Ca)(Zr, Ti)O3 Ceramics (2022) Materials, 15 (24), art. no. 8809. DOI: 10.3390/ma15248809	1	9	7	7	1.00
9.	Curecheriu, L., Buscaglia, M.T., Lukacs, V.A., Padurariu, L., Ciomaga, C.E., Role of Density and Grain Size on the Electrocaloric Effect in Ba0.90Ca0.10TiO3 Ceramics (2022) Materials, 15 (21), art. no. 7825. DOI: 10.3390/ma15217825	0	5	5	2	0.40
10.	Ciomaga, C.E., Horchidan, N., Padurariu, L., Stirbu, R.S., Tiron, V., Tufescu, F.M., Topala, I., Condurache, O., Botea, M., Pintilie, I., Pintilie, L., Rotaru, A., Caruntu, G., Mitoseriu, L., BaTiO3 nanocubes-Gelatin composites for piezoelectric harvesting: Modeling and experimental study (2022) Ceramics International, 48 (18), pp. 25880-25893. DOI: 10.1016/j.ceramint.2022.05.264	0	14	9,5	21	2.21
11.	Lukacs, V.A., Airimioaei, M., Padurariu, L., Curecheriu, L.P., Ciomaga, C.E., Bencan, A., Drazic, G., Avakian, M., Jones, J.L., Stoian, G., Deluca, M., Brunner, R., Rotaru, A.,	1	14	9,5	7	0.74

	Mitoseriu, L., Phase coexistence and grain size effects on the functional properties of BaTiO3 ceramics (2022) Journal of the European Ceramic Society, 42 (5), pp. 2230-2247. DOI: 10.1016/j.jeurceramsoc.2021.12.024					
12.	Horchidan, N., Ciomaga, C.E., Curecheriu, L.P., Stoian, G., Botea, M., Florea, M., Maraloiu, V.A., Pintilie, L., Tufescu, F.M., Tiron, V., Rotaru, A., Mitoseriu, L., Increasing Permittivity and Mechanical Harvesting Response of PVDF-Based Flexible Composites by Using Ag Nanoparticles onto BaTiO3 Nanofillers (2022) Nanomaterials, 12 (6), art. no. 934. DOI: 10.3390/nano12060934	1	12	8,5	9	1.06
13.	Padurariu, L., Curecheriu, L.-P., Ciomaga, C.-E., Airimioaei, M., Horchidan, N., Cioclea, C., Lukacs, V.-A., Stirbu, R.-S., Mitoseriu, L., Modifications of structural, dielectric and ferroelectric properties induced by porosity in BaTiO3 ceramics with phase coexistence (2022) Journal of Alloys and Compounds, 889, art. no. 161699. DOI: 10.1016/j.jallcom.2021.161699	0	9	7	9	1.29
14.	Lukacs, V.A., Caruntu, G., Condurache, O., Ciomaga, C.E., Curecheriu, L.P., Padurariu, L., Ignat, M., Airimioaei, M., Stoian, G., Rotaru, A., Mitoseriu, L., Preparation and properties of porous BaTiO3 nanostructured ceramics produced from cuboidal nanocrystals (2021) Ceramics International, 47 (13), pp. 18105-18115. DOI: 10.1016/j.ceramint.2021.03.128	0	11	8	12	1.50
15.	Racles, C., Asandulesa, M., Tiron, V., Tugui, C., Vornicu, N., Ciubotaru, B.-I., Mičušík, M., Omastová, M., Vasiliu, A.-L., Ciomaga, C., Elastic composites with PDMS matrix and polysulfone-supported silver nanoparticles as filler (2021) Polymer, 217, art. no. 123480. DOI: 10.1016/j.polymer.2021.123480	0	10	7,5	9	1.20
16.	Horchidan, N., Curecheriu, L., Ciomaga, C.E., Lupu, N., Mitoseriu, L., Preparation and Functional Properties of BaTiO3-BaGeO3Ceramics (2021) IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 68 (2), art. no. 9079543, pp. 279-287. DOI: 10.1109/TUFFC.2020.2990755	0	5	5	1	0.20
17.	Curecheriu, L., Lukacs, V.A., Padurariu, L., Stoian, G., Ciomaga, C.E., Effect of porosity on functional properties of lead-free piezoelectric BaZr0.15Ti0.85O3 porous ceramics, (2020) Materials, 13 (15), art. no. 3324. DOI: 10.3390/ma13153324	0	5	5	24	4.80
18.	Horchidan, N., Padurariu, L., Ciomaga, C.E., Curecheriu, L., Airimioaei, M., Doroftei, F., Tufescu, F., Mitoseriu, L., Room temperature phase superposition as origin of enhanced functional properties in BaTiO3 - based ceramics (2020) Journal of the European Ceramic Society, 40 (4), pp. 1258-1268. DOI: 10.1016/j.jeurceramsoc.2019.11.088	0	8	6,5	16	2.46
19.	Lukacs, V.A., Turcan, I., Padurariu, L., Curecheriu, L., Cernescu, A., Stoian, G., Ciomaga, C.E., Tufescu, F., Lupu, N., Mitoseriu, L., Nonlinear dielectric properties of	0	10	7,5	3	0.40

	BaTiO3 - Silver composites: The role of microstructure (2020) Journal of Alloys and Compounds, 817, art. no. 153336. DOI: 10.1016/j.jallcom.2019.153336					
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TOTAL					**1365**	**228.97**

Citările articolelor:

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nr.autori: 9 IF: 5.7 nr.citari: 0
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[2] **Turcan, I; Curecheriu, LP; Stoian, G; Mihaila, I; Ciomaga, CE; Mitoseriu, L; Influence of sintering temperature on the electrical properties of SrTiO 3-BaZrTiO 3 ceramics for energy storage applications; CERAM INT, vol.50, pp.21898-21908 (2024), DOI:10.1016/j.ceramint.2024.03.303**

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[3] **Lukacs, VA; Stirbu, R; Condurache, OA; Curecheriu, LP; Airimioaei, M; Ciomaga, CE; Stoian, G; Caruntu, G; Mitoseriu, L; Buscaglia, MT; Cuboidal vs equiaxed: The role of nanopowder assembly during BaTiO₃ ceramic pressing step; J MATER SCI TECHNOL, vol.189, pp.13-24 (2024), DOI:10.1016/j.jmst.2023.11.064**

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[4] **Horchidan, N; Curecheriu, LP; Lukacs, VA; Stirbu, RS; Tufescu, FM; Dumitru, I; Stoian, G; Ciomaga, CE; Porosity effect on the functional properties and energy harvesting performance of Ba_{0.85}Ca_{0.15}Ti_{0.90}Zr_{0.10}O₃ ceramics; J AM CERAM SOC, vol.107, pp.3230-3242 (2024), DOI:10.1111/jace.19622**

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Formula de calcul a indicatorului de merit	**Standardul minimal**, Conform cu CNATCU, Ordin 6129/2016 (pentru abilitare, CSI, prof. univ.)	**Punctaj realizat**
A	**≥2**	5.38
I	**≥4**	6.90
P	**≥4**	17.60
C	**≥40**	228.97
h	**≥10**	24
T=A+P/2+I/2+C/20+h/5	**≥12**	**33.88**

Punctaj total realizat: T=33,88 (standard minimal ≥12 pentru abilitare, CSI, prof. univ.)