

CONF. DR. CAIZER COSTICĂ

Fișă de verificare a îndeplinirii standardelor minimale

- I. Fișa de verificare conexă Anexei Nr. 3 din Ordinul nr. 6560 din 27 decembrie 2012, publicată în *Monitorul Oficial*, partea I, nr. 890bis/27.12.2012.

ACTIVITATEA A1

Pentru verificarea activității A1, indicatorul 1.1

Nr.	Cărți și capitole în cărți de specialitate	Autori	Editor, an	Naționale	Internationale	Punctaj
1.	<i>Impulsuri electrice. Aplicații în circuite electrice, dispozitive electronice și magnetism tehnic</i>	C. Caizer	Editura MIRTON, Timișoara, 2007; 268 pagini; ISBN: 978-973-52-0064-0	X		0,2
2.	<i>Sisteme de nanoparticule feromagnetice disperse. Comportare magnetică</i>	C. Caizer	Editura UNIVERSITĂȚII DE VEST, Timișoara, 2004; 166 pagini; ISBN: 973-8433-73-8	X		0,2
Punctaj total indicator 1.1						0,4

Pentru verificarea activității A1, indicatorul 1.2

Nr.	Material didactic/Lucrări de laborator	Manual didactic	Îndrumătoare de lab./aplic.	Punctaj
1	C. Caizer, <i>Bioelectromagnetism: Lucrări de laborator</i> , Ed. EUROBIT, Timișoara, 2013; 168 pagini; ISBN: 978-973-132-080-9		X	0,2
2	C. Caizer, <i>Fizică experimentală</i> , Ed. EUROBIT, Timișoara, 2012; 262 pagini; ISBN: 978-973-132-016-8	X		0,2
3	C. Caizer, <i>Nano-biomagnetism</i> , Ed. UNIVERSITĂȚII DE VEST, Timișoara, 2010; 286 pagini; ISBN: 978-973-125-337-4	X		0,2

4	C. Caizer, <i>Nano-fluide magnetice</i> , Ed. EUROBIT, Timișoara, 2004; 200 pagini; ISBN: 973-620-186-4	X		0,2
5	C. Caizer, I. Hrianca, <i>Electricitate și magnetism: Lucrări experimentale</i> , Ed. EUROBIT, Timișoara, 2001; 212 pagini; ISBN: 973-8181-38-0		X	0,2
Punctaj total indicator 1.2				1,0

Pentru verificarea activității A1, indicatorul 1.3

Nr.	Brevete de invenție	Naționale	Internaționale	Punctaj
	-			
Punctaj total indicator 1.3				

Pentru verificarea activității A1, indicatorul 1.4

Nr.	Coordonare de programe de studii, organizare și coordonare de formare continuă și proiecte educaționale	Granturi/proiecte de cercetare în valoare de peste 100000 Euro, câștigate prin competiție	Director/Responsabil	Punctaj
1		- Proiect PNCDI II, Parteneriate D7, 71-026/ 2007-2010;	Director, coordonator	1,2
2		- Grant CNCSIS A, Cod 728/ 2006-2008;	Director	
3		- Contract nr. 6891/2005;	Director	
4	Proiectul pentru Invatamantul Rural (PIR) / 2005-2006, 2006-2007		Responsabil	0,4
Punctaj total indicator 1.4				1,6

Punctaj total obținut pentru activitatea A1 (1.1+1.2+1.3+1.4): 3,00

ACTIVITATEA A2

Indicatorul 2.1 – Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings

Nr.	Referința bibliografică (conform ISI Web of Science)	a_i	n_i	n_{fi}^e	a_i/n_{fi}^e
1	M. Stoia, C. Caizer , M. Ștefănescu, P. Barvinschi, L. Barbu-Tudoran, <i>Characterisation of nickel-zinc ferrite/silica nanocomposites with low ferrite concentration obtained by an improved modified sol-gel method</i> , Journal of Sol-Gel Science and Technology (J. Sol-Gel Sci. Techn., 58 (2011) 126 – 134).	0,4541	5	5	0,0908
2	M. Ștefănescu, M. Stoia, C. Caizer , O. Ștefănescu, <i>Preparation of $x(Ni_{0.65}Zn_{0.35}Fe_2O_4)/(1-x)SiO_2$ nanocomposite powders by a modified sol-gel method</i> , Materials Chemistry and Physics (Mater. Chem. Phys., 113 (2009) 342 – 348).	0,6322	4	4	0,1581
3	M. Ștefănescu, M. Stoia, C. Caizer , T. Dippong, P. Barvinschi, <i>Preparation of $CoxFe_{3-x}O_4$ nanoparticles by thermal decomposition of some organo-metallic precursors</i> , Journal of Thermal Analysis and Calorimetry (J. Therm. Anal. Calorim., 97 (2009) 245 – 250).	0,2242	5	5	0,0448
4	C. Caizer , <i>Magnetic properties of the novel nanocomposite $(Zn_{0.15}Ni_{0.85}Fe_2O_4)_{0.15}/(SiO_2)_{0.85}$ at room temperature</i> , Journal of Magnetism and Magnetic Materials (J. Magn. Magn. Mater., 320 (2008) 1056 – 1062).	0,4596	1	1	0,4596
5	M. Stoia, C. Caizer , M. Ștefănescu, P. Barvinschi, I. Julean, <i>Obtaining of $Ni_{0.65}Zn_{0.35}Fe_2O_4/SiO_2$ nanocomposites by thermal decomposition of complex compounds embedded in silica matrix</i> , Journal of Thermal Analysis and Calorimetry (J. Therm. Anal. Calorim., 88 (2007) 193 – 200).	0,2179	5	5	0,0436
6	C. Caizer , V. Tura, <i>Magnetic relaxation/stability of Co ferrite nanoparticles embedded in amorphous silica particles</i> , Journal of Magnetism and Magnetic Materials (J. Magn. Magn. Mater., 301 (2006) 513 – 520).	0,4969	2	2	0,2485

7	M. Ștefănescu, C. Caizer , M. Stoia, O. Ștefănescu, <i>Ultrafine, perfectly spherical Ni-Zn ferrite nanoparticles, with ultranarrow distribution, isolated in a silica matrix, prepared by a novel synthesis method in the liquid phase</i> , Acta Materialia (Acta Mater., 54 (2006) 1249 – 1256).	1,8789	4	4	0,4697
8	C. Caizer , <i>Deviation from Bloch law in the case of surfacted nanoparticles</i> , Applied Physics A (Appl. Phys. A, 80 (2005) 1745 – 1751).	0,8317	1	1	0,8317
9	M. Ștefănescu, C. Caizer , M. Stoia, O. Ștefănescu, <i>Ni,Zn/SiO₂ ferrite nanocomposites prepared by an improved sol-gel method and their characterisation</i> , Journal of Optoelectronics and Advanced Materials (J. Optoelectron. Adv. M., 7 (2005) 607 – 614).	0,1186	4	4	0,0297
10	C. Caizer , <i>The effect of external magnetic field on the thermal relaxation of magnetization</i> , Journal of Physics: Condensed Matter (J. Phys.: Condens. Matter 17 (2005) 2019 – 2034).	1,1146	1	1	1,1146
11	C. Caizer , M. Popovici, C. Savii, <i>Spherical (Zn_δNi_{1-δ}Fe₂O₄)_γ nanoparticles in an amorphous (SiO₂)_{1-γ} matrix, prepared with the sol-gel method</i> , Acta Materialia (Acta. Mater., 51 (2003) 3607 – 3616).	2,0426	3	3	0,6809
12	C. Caizer , <i>Structural and magnetic properties of nanocrystalline Zn_{0.65}Ni_{0.35}Fe₂O₄ powder obtained from heteropolynuclear complex combination</i> , Materials Science & Engineering B: Solid State Materials for Advanced Technology (Mat. Sci. Eng. B, 100 (2003) 63 – 68).	0,6169	1	1	0,6169
13	M. Popovici, C. Savii, D. Niznansky, J. Subrt, J. Bohacek, C. Caizer , C. Enache, C. Ionescu, <i>Nanocrystalline Ni-Zn ferrites prepared by sol-gel method</i> , Journal of Optoelectronics and Advanced Materials (J. Optoelectron. Adv. M., 5 (2003) 251 – 256).	0,1894	8	6	0,0316
14	C. Caizer , <i>Saturation magnetization of γ-Fe₂O₃ nanoparticles dispersed in a silica matrix</i> , Physica B (Physica B, 327 (2003) 27 – 33).	0,4730	1	1	0,4730

15	C. Caizer , M. Ștefănescu, <i>Nanocrystallite size effect on σ_s and H_c in nanoparticle assemblies</i> , Physica B (Physica B, 327 (2003) 129 – 134).	0,4730	2	2	0,2365
16	C. Caizer , T^2 law for magnetite-based ferrofluids, Journal of Physics: Condensed Matter (J. Phys.: Condens. Matter 15 (2003) 765 – 776).	0,9962	1	1	0,9962
17	C. Caizer , I. Hrianca, <i>Dynamic magnetization of γ-Fe_2O_3 nanoparticles isolated in an SiO_2 amorphous matrix</i> , European Physical Journal B (Eur. Phys. J. B, 31 (2003) 391 – 400).	1,0215	2	2	0,5108
18	C. Caizer , C. Savii, M. Popovici, <i>Magnetic behaviour of iron oxide nanoparticles dispersed in a silica matrix</i> , Materials Science & Engineering B: Solid State Materials for Advanced Technology (Mat. Sci. Eng. B: Solid, 97 (2003) 129 – 134).	0,6169	3	3	0,2056
19	C. Caizer , I. Hrianca, <i>Temperature dependence of saturation magnetization of γ-Fe_2O_3/SiO_2 magnetic nanocomposite</i> , Annalen der Physik (Ann. Phys. 12 (2003) 115 – 122).	0,7332	2	2	0,3666
20	C. Caizer , M. Ștefănescu, <i>Magnetic Characterization of Nanocrystalline Ni-Zn Ferrite Powder Prepared by the Glyoxylate Precursor Method</i> , Journal of Physics D: Applied Physics (J. Phys. D: Appl. Phys., 35 (2002) 3035 – 3040).	0,7401	2	2	0,3701
21	R. Kohnlechner, Z. Schlett, M. Lungu, C. Caizer , <i>A new wet eddy-current separator</i> , Resources Conservation & Recycling (Resour. Conserv. Recy., 37 (2002) 55 – 60).	0,1607	4	4	0,0402
22	C. Caizer , <i>Magnetic behaviour of $Mn_{0.6}Fe_{0.4}Fe_2O_4$ nanoparticles in ferrofluid at low temperatures</i> , Journal of Magnetism and Magnetic Materials (J. Magn. Magn. Mater., 251 (2002) 304 – 315).	0,6981	1	1	0,6981
23	C. Savii, M. Popovici, C. Enache, J. Subrt, D. Niznansky, S. Bakardzieva, C. Caizer , I. Hrianca, <i>$Fe_2O_3 - SiO_2$ composites obtained by sol-gel synthesis</i> , Solid State Ionics (Solid State Ionics, 151 (2002) 219 – 227).	0,8523	8	6	0,1421

24	I. Hrianca, C. Caizer , Z. Schlett, <i>Dynamic magnetic behavior of Fe₃O₄ colloidal nanoparticles</i> , Journal of Applied Physics (J. Appl. Phys., 92 (2002) 2125 – 2132).	1,3636	3	3	0,4545
25	C. Caizer , <i>Thermal dependence of the saturation magnetisation of Mn_{0.6}Fe_{0.4}Fe₂O₄ nanoparticles in a ferrofluid</i> , Solid State Communications (Solid State Commun., 124 (2002) 53 – 57).	0,8160	1	1	0,8160
26	C. Caizer , M. Ștefănescu, C. Muntean, I. Hrianca, <i>Studies and magnetic properties of Ni-Zn ferrite synthesis from the glyoxylates complex combination</i> , Journal of Optoelectronics and Advanced Materials (J. Optoelectron. Adv. M., 3 (2001) 919 – 924).	0,0799	4	4	0,0200
27	I. Hrianca, C. Caizer , C. Savii, M. Popovici, <i>Magnetic and structural properties of γ-Fe₂O₃ nanoparticles dispersed in a silica matrix</i> , Journal of Optoelectronics and Advanced Materials (J. Optoelectron. Adv. M., 2 (2000) 634 – 638).	0,0260	4	4	0,0065
Punctaj total indicator 2.1					I = 10,1567

Formula de calcul pentru indicatorul 2.1: $I = \sum_{i=1}^n \frac{a_i}{n_i^{ef}}$,

unde:

i enumeră articolele care prezintă contribuții științifice originale, in extenso, publicate de candidat, ca autor sau coautor, în reviste cotate ISI;

n – numărul total de publicații în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings;

a_i – scorul de influență absolut al revistei respective (www.eigenfactor.org);

$$n_i^{ef} = \begin{cases} n_i, & n_i \leq 5 \\ (n_i + 10)/3, & n_i \in [5, 80] \\ 30, & n_i \geq 80 \end{cases}$$

n_i – numărul de autori ai publicației “ *i* ”.

Indicatorul 2.2 – Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings, pentru care candidatul este prim autor sau autor correspondent

Nr.	Referința bibliografică (conform ISI Web of Science)	a _i
1	C. Caizer , <i>Magnetic properties of the novel nanocomposite (Zn_{0.15}Ni_{0.85}Fe₂O₄)_{0.15}/(SiO₂)_{0.85} at room temperature</i> , Journal of Magnetism and Magnetic Materials (J. Magn. Magn. Mater., 320 (2008) 1056 – 1062).	0,4596
2	C. Caizer , V. Tura, <i>Magnetic relaxation/stability of Co ferrite nanoparticles embedded in amorphous silica particles</i> , Journal of Magnetism and Magnetic Materials (J. Magn. Magn. Mater., 301 (2006) 513 – 520).	0,4969
3	M. Ștefănescu, C. Caizer , M. Stoia, O. Ștefănescu, <i>Ultrafine, perfectly spherical Ni-Zn ferrite nanoparticles, with ultranarrow distribution, isolated in a silica matrix, prepared by a novel synthesis method in the liquid phase</i> , Acta Materialia (Acta Mater., 54 (2006) 1249 – 1256).	1,8789
4	C. Caizer , <i>Deviation from Bloch law in the case of surfacted nanoparticles</i> , Applied Physics A (Appl. Phys. A, 80 (2005) 1745 – 1751).	0,8317
5	C. Caizer , <i>The effect of external magnetic field on the thermal relaxation of magnetization</i> , Journal of Physics: Condensed Matter (J. Phys.: Condens. Matter 17 (2005) 2019 – 2034).	1,1146
6	C. Caizer , M. Popovici, C. Savii, <i>Spherical (Zn_δNi_{1-δ}Fe₂O₄)_γ nanoparticles in an amorphous (SiO₂)_{1-γ} matrix, prepared with the sol-gel method</i> , Acta Materialia (Acta. Mater., 51 (2003) 3607 – 3616).	2,0426
7	C. Caizer , <i>Structural and magnetic properties of nanocrystalline Zn_{0.65}Ni_{0.35}Fe₂O₄ powder obtained from heteropolynuclear complex combination</i> , Materials Science & Engineering B: Solid State Materials for Advanced Technology (Mat. Sci. Eng. B, 100 (2003) 63 – 68).	0,6169
8	C. Caizer , <i>Saturation magnetization of γ-Fe₂O₃ nanoparticles dispersed in a silica matrix</i> , Physica B (Physica B, 327 (2003) 27 – 33).	0,4730
9	C. Caizer , M. Ștefănescu, <i>Nanocrystallite size effect on σ_s and H_c in nanoparticle assemblies</i> , Physica B (Physica B, 327 (2003) 129 – 134).	0,4730

10	C. Caizer , T^2 law for magnetite-based ferrofluids, Journal of Physics: Condensed Matter (J. Phys.: Condens. Matter 15 (2003) 765 – 776).	0,9962
11	C. Caizer , I. Hrianca, <i>Dynamic magnetization of γ-Fe₂O₃ nanoparticles isolated in an SiO₂ amorphous matrix</i> , European Physical Journal B (Eur. Phys. J. B, 31 (2003) 391 – 400).	1,0215
12	C. Caizer , C. Savii, M. Popovici, <i>Magnetic behaviour of iron oxide nanoparticles dispersed in a silica matrix</i> , Materials Science & Engineering B: Solid State Materials for Advanced Technology (Mat. Sci. Eng. B: Solid, 97 (2003) 129 – 134).	0,6169
13	C. Caizer , I. Hrianca, <i>Temperature dependence of saturation magnetization of γ-Fe₂O₃/SiO₂ magnetic nanocomposite</i> , Annalen der Physik (Ann. Phys. 12 (2003) 115 – 122).	0,7332
14	C. Caizer , M. Ștefănescu, <i>Magnetic Characterization of Nanocrystalline Ni-Zn Ferrite Powder Prepared by the Glyoxylate Precursor Method</i> , Journal of Physics D: Applied Physics (J. Phys. D: Appl. Phys., 35 (2002) 3035 – 3040).	0,7401
15	C. Caizer , <i>Magnetic behaviour of Mn_{0,6}Fe_{0,4}Fe₂O₄ nanoparticles in ferrofluid at low temperatures</i> , Journal of Magnetism and Magnetic Materials (J. Magn. Magn. Mater., 251 (2002) 304 – 315).	0,6981
16	C. Caizer , <i>Thermal dependence of the saturation magnetisation of Mn_{0,6}Fe_{0,4}Fe₂O₄ nanoparticles in a ferrofluid</i> , Solid State Communications (Solid State Commun., 124 (2002) 53 – 57).	0,8160
17	C. Caizer , M. Ștefănescu, C. Muntean, I. Hrianca, <i>Studies and magnetic properties of Ni-Zn ferrite synthesis from the glyoxylates complex combination</i> , Journal of Optoelectronics and Advanced Materials (J. Optoelectron. Adv. M., 3 (2001) 919 – 924).	0,0799
Punctaj total indicator 2.2		P = 14,0891

Formula de calcul pentru indicatorul 2.2: $P = \sum_{i=1}^m a_i$,

unde:

m – numărul total de publicații în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings, pentru care candidatul este prim autor sau autor corespondent;

a_i – scorul de influență absolut al revistei respective (www.eigenfactor.org);

Punctaj total pentru activitatea A2: $I/2 + P/1,5 = 5,0784 + 9,3927 = 14,4711$

ACTIVITATEA A3

Indicatorul 3.1 – Citări în reviste indexate ISI

Nr. publ. care citează	Referința bibliografică a publicației care citează (conform ISI Web of Science)	a_k	n_i	n_i^{ef}	c_i/n_i^{ef}
	I. M. Stoia, C. Caizer , M. Ștefănescu, P. Barvinschi, L. Barbu-Tudoran, <i>Characterisation of nickel-zinc ferrite/silica nanocomposites with low ferrite concentration obtained by an improved modified sol-gel method</i> , Journal of Sol-Gel Science and Technology (J. Sol-Gel Sci. Techn., 58 (2011) 126 – 134).		5	5	0,6
1	Magnetic silica:epoxy composites with a nano- and micro-scale control By: Crespo, Maria; Gonzalez, Maria; Pozuelo, Javier MATERIALS CHEMISTRY AND PHYSICS Volume: 144 Issue: 3 Pages: 335-342 Published: APR 15 2014				
2	Title: Studies regarding the formation from metal nitrates and diol of (NiM2O4)-O-III spinels, inside a silica matrix Author(s): Stoia, Marcela; Stefanescu, Mircea; Barbu, Mirela; et al. Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 108 Issue: 3 Pages: 1041-1049 DOI: 10.1007/s10973-011-1994-7 Published: JUN 2012				
3	Title: Silica matrices for embedding of magnetic nanoparticles Author(s): Stoia, Marcela; Stefanescu, Oana; Vlase, Gabriela; Barbu-Tudoran, Lucian; Barbu, Mirela; Stefanescu, Mircea Source: JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY Volume: 62 Issue: 1 Pages: 31-40 DOI: 10.1007/s10971-012-2679-9 Published: APR 2012 (from Web of Science)				
	II. M. Stefanescu, M. Stoia, C. Caizer , T. Dipping, P. Barvinschi, <i>Preparation of $Co_xFe_{3-x}O_4$ nanoparticles by thermal decomposition of some organo-metallic precursors</i> , Journal of Thermal Analysis and Calorimetry (J. Therm. Anal. Calorim., 97 (2009) 245 – 250).		5	5	1,0
1	Preparation, characterization and electrochemical behaviors of Bi2O3 nanoparticles dispersed in silica matrix By: Farsi, Hossein; Moghiminia, Shokufeh; Roohi, Azam; et al. ELECTROCHIMICA ACTA Volume: 148 Pages: 93-103 Published: DEC 1 2014				
2	Giant exchange bias and exchange enhancement observed in CoFe2O4-based composites By: Zan, F. L.; Ma, Y. Q.; Ma, Q.; et al. JOURNAL OF ALLOYS AND COMPOUNDS Volume: 581 Pages: 263-269 Published: DEC 25 2013				

3	Study on the formation of $\text{CoFe}_3\text{-xO}_4$ system using two low temperature synthesis methods By: Vlazan, Paulina; Stefanescu, Mircea; Barvinschi, Paul; et al. MATERIALS RESEARCH BULLETIN Volume: 47 Issue: 12 Pages: 4119-4125 Published: DEC 2012			
4	Controlled Synthesis of Cobalt-Doped Magnetic Iron Oxide Nanoparticles By: Li Zhen-Hu; Ma Yu-Rong; Qi Li-Min ACTA PHYSICO-CHIMICA SINICA Volume: 28 Issue: 10 Pages: 2493-2499 Published: OCT 201			
5	Title: Preparation of nanoparticles of oxides by the citrate-nitrate process Effect of metal ions on the thermal decomposition characteristics Author(s): Banerjee, S.; Kumar, A.; Devi, P. Sujatha Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 104 Issue: 3 Pages: 859-867 DOI: 10.1007/s10973-011-1525-6 Published: JUN 2011			
III. M. Ștefănescu, M. Stoia, C. Caizer, O. Ștefănescu, <i>Preparation of $x(\text{Ni}_{0.65}\text{Zn}_{0.35}\text{Fe}_2\text{O}_4)/(1-x)\text{SiO}_2$ nanocomposite powders by a modified sol-gel method, Materials Chemistry and Physics</i> (Mater. Chem. Phys., 113 (2009) 342 – 348).		4	4	3,0
1	Controlled synthesis and microwave absorption properties of $\text{Ni}_{0.6}\text{Zn}_{0.4}\text{Fe}_2\text{O}_4/\text{PANI}$ composite via an in-situ polymerization process By: Wang, Min; Ji, Guangbin; Zhang, Baoshan; et al. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 377 Pages: 52-58 Published: MAR 1 2015			
2	Preparation, characterization and electrochemical behaviors of Bi_2O_3 nanoparticles dispersed in silica matrix By: Farsi, Hossein; Moghiminia, Shokufeh; Roohi, Azam; et al. ELECTROCHIMICA ACTA Volume: 148 Pages: 93-103 Published: DEC 1 2014			
3	Preparation of $\text{CuFe}_2\text{O}_4/\text{SiO}_2$ nanocomposite starting from Cu(II)-Fe(III) carboxylates embedded in hybrid silica gels By: Stefanescu, O.; Vlase, G.; Barbu, M.; et al. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 113 Issue: 3 Pages: 1245-1253 Published: SEP 2013			
4	Thermal behavior of Co(II) and Ni(II) hydroxycarboxylate complexes obtained by two original synthesis methods By: Stefanescu, O.; Vlase, T.; Sorescu, S.; et al. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 113 Issue: 3 Pages: 1345-1354 Published: SEP 2013			
5	Magnetic cobalt-zinc ferrite/PVAc nanocomposite: synthesis and characterization By: Doulabi, F. S. Mohammad; Mohsen-Nia, M.			

	IRANIAN POLYMER JOURNAL Volume: 22 Issue: 1 Pages:9-14 Published: JAN 2013				
6	Ni0.5Zn0.5Fe2O4 nanoparticles dispersed in a SiO2 matrix synthesized by sol-gel processing By: Pozo Lopez, G.; Condo, A. M.; Urreta, S. E.; et al. MATERIALS CHARACTERIZATION Volume: 74 Pages: 17-27 Published: DEC 2012				
7	Title: Silica matrices for embedding of magnetic nanoparticles Author(s): Stoia, Marcela; Stefanescu, Oana; Vlase, Gabriela; Barbu-Tudoran, Lucian; Barbu, Mirela; Stefanescu, Mircea Source: JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY Volume: 62 Issue: 1 Pages: 31-40 DOI: 10.1007/s10971-012-2679-9 Published: APR 2012				
8	Title: Magnesium ferrite nanoparticles inserted in a glass matrix- Microstructure and magnetic properties Author(s): Ferreira da Silva, M. G.; Valente, M. A. Source: MATERIALS CHEMISTRY AND PHYSICS Volume: 132 Issue: 2-3 Pages: 264-272 DOI: 10.1016/j.matchemphys.2011.10.030 Published: FEB 15 2012				
9	Title: Organic-inorganic Hybrid Gels of Diol-TEOS Type. Synthesis and Study on the Chemical Interaction Author(s): Stefanescu, Oana; Stoia, Marcela; Barbu, Mirela; Stefanescu, Mircea Source: ACTA CHIMICA SLOVENICA Volume: 59 Issue: 2 Pages: 281-288 Published: 2012				
10	Title: Structure and magnetic properties of NiZn ferrite/SiO2 nanocomposites synthesized by ball milling Author(s): Pozo Lopez, G.; Silvetti, S. P.; Urreta, S. E.; et al. Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 505 Issue: 2 Pages: 808-813 DOI: 10.1016/j.jallcom.2010.06.145 Published: SEP 3 2010				
11	Title: Preparation of one-dimensional Ni0.5Zn0.5Fe2O4/SiO2 composite nanostructures and their magnetic properties Author(s): Xiang Jun; Song Fu-Zhan; Shen Xiang-Qian; et al. Source: ACTA PHYSICA SINICA Volume: 59 Issue: 7 Pages: 4794-4801 Published: JUL 2010				
12	Title: Synthesis and characterization of (NiZnFe2O4)(0.5)/(SiO2)(0.5) granular nanocomposites Author(s): Pozo Lopez, G.; Silvetti, S. P.; Aguirre, M. del C.; et al. Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 487 Issue: 1-2 Pages: 646-652 DOI: 10.1016/j.jallcom.2009.07.184 Published: NOV 13 2009				
V. M. Stoia, C. Caizer, M. Ștefănescu, P. Barvinschi, I. Julean, <i>Obtaining of Ni0.65Zn0.35Fe2O4/SiO2 nanocomposites by thermal decomposition of complex compounds embedded in silica matrix</i> , Journal of Thermal Analysis and Calorimetry (J. Therm. Anal. Calorim., 88 (2007) 193 – 200).			5	5	1,4

1	Thermal decomposition of metal nitrates PVA-TEOS gels for obtaining M(II) ferrite/silica nanocomposites By: Stoia, Marcela; Barvinschi, Paul; Barbu-Tudoran, Lucian JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 113 Issue: 1 Pages: 21-30 Published: JUL 2013			
2	Investigation of Magnetic Interactions in Core/Shell Structured SrFe ₁₂ O ₁₉ /NiZnFe ₂ O ₄ Nanocomposite By: Radmanesh, M. A.; Ebrahimi, S. A. Seyyed; Yourdkhani, A.; et al. JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM Volume: 25 Issue: 8 Pages: 2757-2762 Published: DEC 2012			
3	Title: The stability of BaFe ₁₂ O ₁₉ nanoparticles in polar solvents Author(s): Lisjak, Darja; Ovtar, Simona; Drofenik, Miha Source: JOURNAL OF MATERIALS SCIENCE Volume: 46 Issue: 9 Pages: 2851-2859 DOI: 10.1007/s10853-010-5159-z Published: MAY 2011			
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2	Structural, Dielectric, and Magnetic Characterization of Nanocrystalline Ni-Co Ferrites By: Khan, Kishwar; Maqsood, Asghari; Anis-ur-Rehman, M.; et al. JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM Volume: 25 Issue: 8 Pages: 2707-2711 Published: DEC 2012			
3	Title: Spectroscopic and magnetic investigation of NiCo nanoferrites Author(s): Maqsood, Asghari; Khan, Kishwar; Anis-ur-Rehman, M.; et al. Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 509 Issue: 27 Pages: 7493-7497 DOI: 10.1016/j.jallcom.2011.04.092 Published: JUL 7 2011			
4	Title: Studies on the magnetic, magnetostrictive and electrical properties of sol-gel synthesized Zn doped nickel ferrite Author(s): Atif, M.; Nadeem, M.; Groessinger, R.; et al. Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 509 Issue: 18 Pages: 5720-5724 DOI: 10.1016/j.jallcom.2011.02.163 Published: MAY 5 2011			
5	Title: Spin glasslike behavior and magnetic enhancement in nanosized Ni-Zn ferrite system Author(s): Ghosh, B.; Kumar, S.; Poddar, A.; et al. Source: JOURNAL OF APPLIED PHYSICS Volume: 108 Issue: 3 Article Number: 034307 DOI: 10.1063/1.3456174 Published: AUG 1 2010			
XXVII. I. Hrianca, C. Caizer, C. Savii, M. Popovici, <i>Magnetic and structural properties of γ-Fe₂O₃ nanoparticles dispersed in a silica matrix, Journal of Optoelectronics and Advanced Materials</i> (J. Optoelectron. Adv. M., 2 (2000) 634		4	4	1,00

– 638).				
1	Title: Preparation of FexOy/SiO2 nanocomposites by thermal decomposition of some carboxylate precursors formed inside the silica matrix Author(s): Stefanescu, Oana; Davidescu, Corneliu; Stefanescu, Mircea; et al. Conference: 14th International Congress on Thermal Analysis and Calorimetry Location: Sao Pedro, BRAZIL Date: SEP 14-18, 2008 Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 97 Issue: 1 Pages: 203-208 DOI: 10.1007/s10973-008-9687-6 Published: JUL 2009			
2	Title: Amorphous iron(III) Oxide - A review Author(s): Machala, Libor; Zboril, Radek; Gedanken, Aharon Source: JOURNAL OF PHYSICAL CHEMISTRY B Volume: 111 Issue: 16 Pages: 4003-4018 DOI: 10.1021/jp064992s Published: APR 26 2007			
3	Title: Structural, magnetic and electrical properties of the sol-gel prepared Li0.5Fe2.5O4 fine particles Author(s): George, M; Nair, SS; John, AM; et al. Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 39 Issue: 5 Pages: 900-910 DOI: 10.1088/0022-3727/39/5/002 Published: MAR 7 2006			
4	Title: Cluster glass structure in nanohybrids of nonstoichiometric zinc ferrite in silica matrix Author(s): Zhou, ZH; Wang, J; Xue, JM; et al. Source: APPLIED PHYSICS LETTERS Volume: 79 Pages: 3167-3169 DOI: 10.1063/1.1415375 Published: NOV 5 2001			
Punctaj total indicator 3.1:				C = 208,86

Formula de calcul pentru indicatorul 3.1: $C = \sum_{i=1}^p \frac{c_i}{n_i^{ef}}$,

unde:

p – numărul total de publicații ale candidatului;

c_i – numărul de citări pentru publicația “ i ”;

n_i – numărul de autori ai publicației “ i ” citate,

n_i^{ef} – numărul efectiv de autori ai publicației “ i ” citate.

Nu se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul (autocitările);

Punctaj total pentru activitatea A3: $C / 17,5 = 208,86 / 17,5 = 11,94$;

Condiții:

Activități	Conferențiar universitar/ cercetător științific grad II	Condiții profesor univ /CS I	Punctaj obținut Conf. C.Caizer
A1	≥ 1	≥ 2	3,00
A2	≥ 2	≥ 4	14,47
A3	≥ 1	≥ 2	11,94
Total:	4	8	29,41

➤ **Factor Hirsch** (vizibil conform ISI Thomson - Web of Science): **h-index = 13;**

Semnătura,
Conf. dr. Caizer Costică

Timișoara, 10.03.2015