

FISA DE VERIFICARE A INDEPLINIRII STANDARDELOR CNATDCU
Profesor Doina Manaila Maximean
Domeniul FIZICA

Indeplinirea standardelor minimale conform OMESNCS Nr. 6129/2012.2016	Standarde indeplinite, conform Comisiei CNATDCU Nr. 3 FIZICA, Anexata: FISA de calcul si de sustinere a indeplinirii standardelor minimale specifice domeniului, in acord cu realizarile mentionate	
Conditii minimale (Punctaj)	Minim prevazut	Realizat
1. Activitate didactica si profesionala (A)	2	7.312
2. Activitatea de cercetare		
2.1 Articole stiintifice originale in extenso ca autor publicate in reviste cotate ISI	4	4.989
2.2 Articole stiintifice originale in extenso ca autor publicate in reviste cotate ISI si in proceedings cotate ISI, ca prim autor sau ca autor corespondent.	4	10.285
3. Recunoasterea impactului activitatii		
3.1.Citari in reviste stiintifice cu factor de impact care se gasesc in InCites Journal Citation Reports sau in carti in edituri recunoscute Web of Science. Nu se iau in considerare cotarile care au ca autor sau coautor candidatul	40	58.38
3.2. Indice Hirsch	10	12
Punctaj total CNATDCU T=(A+ P / 2+ I / 2+ C / 20 +h / 5)	12	20.27

Observatie: Articolele si citarile publicate la data depunerii dosarului, dar care inca nu au primit cod Web of Science nu au fost adunate la sume.

1. Activitate didactica si profesionala

Nr. crt.	Tipul activitatii	Indicatori
1	Carti in edituri internationale	A ₁ =0
2	Capitole de carti in edituri internationale	A ₂ =0
3	Carti in edituri internationale in calitate de editor	A ₃ =0
4	Carti, manuale, indrumare de laborator, in edituri nationale in calitate de autor, note interne, prezentari sustinute pentru aprobarea analizelor de date in cadrul colaborarilor mari (Vezi desfasuratorul pe pagina 2)	A₄=4.565
5	Capitole de carti in calitate de autor	A ₅ =0
6	Lucrari in extenso (cel putin 3 pagini) in calitate de autor, publicate in Proceedings indexate ISI. (Vezi desfasuratorul pe pagina 3)	A₆=0.765
7	Brevete de inventie internationale acordate	A₇=0
8	Brevete de inventie nationale acordate (Vezi desfasuratorul pe pagina 4)	A₈=0.166
9	Director/responsabil/coordonator programe de studii, de formare continua ,etc	A ₉ =0
10	Director/responsabil/coordonator in valoare V _i euro, castigate prin competitie nationala sau internationala. Sumele in lei au fost convertite in euro conform cursului BNR; (Vezi desfasuratorul pe pagina 6)	A₁₀=1.816
	Total activitate didactica si profesionala	7.312

2. Activitatea de cercetare

Nr. crt.	Tipul activitatii	Indicatori
1	Articole stiintifice originale in extenso ca autor publicate in reviste cotate ISI si in proceedings cotate ISI	I=4.989
2	Articole stiintifice originale in extenso ca autor publicate in reviste cotate ISI si in proceedings cotate ISI, ca prim autor sau ca autor corespondent	P=10.285

3. Recunoasterea impactului activitatii

Nr. crt.	Tipul activitatii	Indicatori
1	Citari in reviste stiintifice cu factor de impact care se gasesc in InCites Journal Citation Reports sau in carti in edituri recunoscute Web of Science. Nu se iau in considerare cotarile care au ca autor sau coautor candidatul	C=58.38
2	Indicele Hirsch dupa Web of Science	h=12

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Punctaj total CNATDCU T=(A+ P / 2+ I / 2+ C / 20 +h / 5)	12	20.27

Desfasurator punctul A4:

Nr. Crt.	Carti, manuale, indrumare de laborator in edituri nationale ca autor, note interne	Nr. autori	scor
1	Doina Mănăilă-Maximean , Eleonora Rodica Bena, <i>Cristale lichide in optoelectronică</i> , Editura Politehnica Press, ISBN 978-606-515-333-2, Bucuresti, 2011,158 pagini.	2	0.025
2	Doina Mănăilă-Maximean , <i>Physique II</i> , Ed. Politehnica Press, 2009, ISBN 978-606-515-065-2	1	0.5
3	D. Manaila-Maximean , <i>Physique I</i> , première partie, Ed. Politehnica Press, ISBN 978-973-7338-60-5, în limba franceză (2008), 155 pagini	1	0.5
4	D. Manaila-Maximean , <i>Elemente de Fizică Cuantică</i> , Editura Printech, București, ISBN:978-973-718-862-5, 2007, 170 pagini	1	0.5
5	D. Manaila-Maximean , G. Tiriba, C. Calin, “ <i>Fizica- vol. I</i> ”. Editura Printech, București, ISBN 973-652-179-6, București, 2000, 315 pagini.	3	0.167
6	Doina Manaila , C. Popa, D. Popa, I.M. Popescu , <i>Polyglot dictionary for technics, physics, mathematics in Romanian, English, German and French</i> ” Agora press & Allfa Publishing House, Bucharest, ISBN 973-97049-6-4 (1995), 151 pagini.	5	0.1
7	D. Manaila Maximean , <i>Materiale compozite cu cristale lichide</i> , Editura Printech, ISBN 978-973-718-956-1, București , 2008, 150 pagini.	1	0.5
8	E. Bena, D. Manaila , C. Rosu , <i>Proprietati optice ale materialelor</i> , Editura BREN, ISBN 973-648-016-X, Bucuresti, 2002, 236 pagini.	3	0.167
9	L.Fara, N. Eseanu, D. Manaila , “ <i>Fizica pentru studentii universitatilor tehnice – teorie si aplicatii</i> ”, Curtea Veche Publishing House, Bucuresti, ISBN 973 -94670, (1999), 488 pagini.	3	0.1
10	D. Manaila-Maximean , Curs de termodinamica si statistica, Ed. Printech, Bucuresti, ISBN 973-9475-81-7, 1999, 116 pagini.	1	0.5
11	D. Manaila Maximean , “ <i>Optics - Laboratory Experiments</i> ” (in engleza), University “Politehnica” Bucharest Publishing House, 2000, 157 pagini.	1	0.5
12	R. Bena, D. Manaila-Maximean , “ <i>Travaux Pratiques d’Optique</i> ” (in franceza), University “Politehnica” Bucharest Publishing House, 2001, 127 pagini.	2	0.25
13	L. Fara, D. Manaila , “ <i>Solved Problems of Basic Physics</i> ” : (in engleză) ; Polytechnic University of Bucharest Publ. House, Department of Engineering Sciences, 1996, 206 pagini.	2	0.25
14	Doina Manaila , R. Bena “ <i>Condensed Matter Physics, Semiconductor Physics-Laboratory Experiments</i> ”: (în engleză). Polytechnic University of Bucharest Publ. House, Department of Engineering Sciences, 1995, 96 pagini.	2	0.25
15	Doina Manaila , R. Bena, C. Rosu. “ <i>Fizica Solidului, fizica semiconductorilor- Indrumar de laborator</i> ”, University “Politehnica Bucuresti”, Catedra de Fizică. (1995), 108 pagini.	3	0.166
16	P.Sterian, N. Puscas, M.Dumitru, M.Piscureanu, V. Ninulescu, Doina Manaila “ <i>Problems in Physics</i> ”: (in engleză) University “Politehnica” Bucharest Publishing House, Department of Engineering Sciences. (1995), 315 pagini	6	0.09
	Total		4.565

	Brevete nationale	Nr. Autori	
1	Brevet de inventie nr. 113 649, Titulari : Doina Manaila Maximean , Ana Maria Albu, Rodica Bena. Titlu : <i>Copolimer stiren-acrilic, procedeu de preparare, monomer colorant intermediar in sinteza copolimerului si film compozit pentru dispozitive electro-optice</i>	3	0.5/3=0.166

Desfasurator punctul A6:

An		1. Articole in proceedings cotate ISI Thomson Reuter Fiecare articol este cotate 0.2	Nr. autori n_i	Nr. efectiv Autori $n_{i,eff}$	1.A6 Scor $n_{i,eff}$
1	2020	Polymer Dispersed Liquid Crystals doped with nanoparticles: electric and electro-optical properties (Invited), SPIE conference ATOM-N, Constanta, Romania, 20-23 August, 2020 Proceedings Volume 11718, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X; 117182R (2020) DOI:10.1117/12.2572104	7	6	0.000
2	2020	T. A. Ilincă, D. Manaila-Maximean, P. C. Ganea, I. Pasuk, V. Cîrcu, "Polarized emission and dielectric studies of novel lanthanidomesogens based on 4-pyridone ligands", SPIE conference ATOM-N, Constanta, Romania, 20-23 August, 2020 Proceedings Volume 11718, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X; 117182U (2020) DOI:10.1117/12.2572109	5	5	0.000
3	2020	L. Frunza, V. F. Cotorobai, M. Enculescu, I. Zgura, P. C. Ganea, M. Birzu, D. Mănăilă-Maximean, "Adsorption, wicking behavior and photodegradation tests of Rhodamine B solution upon wool substrates", L. Frunza, V. F. Cotorobai, M. Enculescu, I. Zgura, P. C. Ganea, M. Birzu, D. Mănăilă-Maximean, SPIE conference ATOM-N, Constanta, Romania, 20-23 August, 2020, Proceedings Volume 11718, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X; 117182W (2020) DOI:10.1117/12.2572130	7	6	0.000
4	2019	Bărar A., Dănilă O., Mănăilă-Maximean D., Loiko V.A. (2020) Active Spectral Absorption Control in a Tunable Liquid Crystal/Metamaterial Structure by Polarization Plane Rotation. In: Tiginyanu I., Sontea V., Railean S. (eds) 4th International Conference on Nanotechnologies and Biomedical Engineering. ICNBME 2019. IFMBE Proceedings, vol 77. Springer, Cham. https://doi.org/10.1007/978-3-030-31866-6_58 Print ISBN 978-3-030-31865-9 ; Online ISBN 978-3-030-31866-6 WOS: 000552314200058	4	4	0.050
5	2018	D. Mănăilă Maximean, A. Bărar, C.P. Ganea, P.L. Almeida, O. Dănilă, "Impedance spectroscopy and electro-optic switching times of a liquid crystal hydroxypropyl cellulose network composite". In Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX (Vol. 10977, p. 109770P). International Society for Optics and Photonics, (2018) – WOS: 000458717900024	5	5	0.040
6	2018	A. Bărar, D. Mănăilă-Maximean, C. Boscornea, M. Vlădescu, P. Șchiopu, "Thermal behavior of the electrical parameters for a novel zinc derivative-based dye-sensitized solar cell". In Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX (Vol. 10977, p. 109770Q) 5 pagini, International Society for Optics and Photonics, (2018), DOI: 10.1117/12.2324930 WOS:000458717900025	5	5	0.040
7	2018	D. Mănăilă-Maximean, V. Cîrcu, P. Ganea, A. Bărar, O. Danila, T. Staicu, V.A. Loiko, A.V. Konkolovich, A.A. Miskevich, 2018. "Polymer dispersed liquid crystals films doped with carbon nanotubes: preparation methods". In Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX (Vol. 10977, p. 1097702). 10 pagini, International Society for Optics and Photonics (SPIE), (2018), DOI:10.1117/12.2326186 WOS:000458717900001	9	8	0.025
8	2018	A. Bărar, O. Dănilă, D. Mănăilă-Maximean, M. Vlădescu, P. Șchiopu, "Stochastic modelling of hopping charge carrier transport mechanism in organic photovoltaic structures". In Photonics for Solar Energy Systems VII (Vol. 10688, p. 1068813), 7 pagini. International Society for Optics and Photonics (SPIE), (2018), DOI:10.1117/12.2306571 WOS:000453619600009	5	5	0.040

9	2016	A. Bărar, D. Mănăilă-Maximean, O. Dănilă, M. Vlădescu, Parameter extraction of an organic solar cell using asymptotic estimation and Lambert W function. In <i>Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII</i> (Vol. 10010, p. 1001034-1001034). International Society for Optics and Photonics (SPIE), (2016), DOI:10.1117/12.2253968 WOS:000391359600112	4	4	0.050
10	2016	D. Mănăilă Maximean, O. Dănilă, B. Ștefănescu, R. Bena, C. Roșu, D. Donescu, and V. Eugeniu. "Study of a New Colloidal Composite: Polymer-Magnetite Particles/Lyotropic Liquid Crystal." In <i>3rd International Conference on Nanotechnologies and Biomedical Engineering</i> , pp. 226-229. Springer Singapore, 2016, WOS:000367995500054	7	6	0.033
11	2007	D. Manaila Maximean, 2007. Developments During the Last Two Decades in Material Science Education in Romania. JOURNAL OF MATERIALS EDUCATION, 29(1/2), p.165-167., Conference: Spring Meeting of the E-MRS/IUMRS/ICEM, Nice, France, 2006, Int. Council Material Education, Univ North Texas, Denton, Texas, USA WOS: 000252259700019	1	0.2	0.200
12	2001	D. Manaila-Maximean, A.M. Albu, B.A. Umanski, C. Rosu, R. Bena, 2001, June. Polymer-dispersed liquid crystal films using new polymer transformed with coloring matter. In <i>ROMOPTO 2000: Sixth Conference on Optics</i> (Vol. 4430, pp. 554-560). International Society for Optics and Photonics (SPIE), WOS:000171644000072	5	5	0.040
13	2000	D. Manaila-Maximean, M. Furlani, R. Bena, V. Stoian C. Rosu. "Electro-optic and phase transition studies on polymer-dispersed liquid crystal films." In <i>SIOEL: Sixth Symposium of Optoelectronics (SPIE)</i> , 4068, pp. 45-51. International Society for Optics and Photonics, 2000, WOS:000086320700006	5	5	0.040
14	2000	Ana M. Albu, B. Marculescu, D. Manaila-Maximean, A. Trouillet. "Preparation of a copolymer for second-order nonlinear optics." In <i>SIOEL: Sixth Symposium of Optoelectronics</i> , 4068, pp. 59-64. International Society for Optics and Photonics, (2000), WOS:000086320700008	4	4	0.050
15	1999	M. Sylla, D. Manaila-Maximean, A. M. Albu, J.-J. Delaunay. "Synthesis and third-order nonlinear optical properties: study of new polymers based on colored monomers." In <i>SPIE's International Symposium on Optical Science, Engineering, and Instrumentation</i> , 3796, pp. 183-190. (1999), WOS:000083742500020	4	4	0.050
16	1998	D. Manaila-Maximean, C. Rosu, R. Bena, A. M. Albu, I. M. Popescu. "Optical bistability using nematic liquid crystals and polymer dispersed liquid crystals." In <i>Fifth Conference on Optics</i> , vol. 3405, pp. 950-954. Proc. SPIE, (1998), WOS:000075367400142	5	5	0.040
17	1997	D. Manaila-Maximean, R. Bena, C. Motoc. "Electro-optical and conductive properties of polymer/liquid crystal composite film." In <i>Liquid Crystals</i> , pp. 289-291. International Society for Optics and Photonics(SPIE), Proceedings Volume 3319, Liquid Crystals: Chemistry and Structure; (1998); doi: 10.1117/12.301305, WOS:000072821800063	3	3	0.067
		Total articole publicate proceedings cotate ISI			0.765

Observatie: Articolele dela punctele 1, 2, 3, desi publicate in dec. 2020, nu au fost inregistrate la data depunerii dosarului in Web of Science, dupa trei luni de la publicare; au fost notate cu zero puncte, nefind adunate in suma totala

Desfasurator punctul A10:

	Responsabil si director contract	Suma lei noi	Echivalent euro
1	2018-2021 Joint Research Project : Romanian Academy – National Academy of Sciences of Belarus, Belarusian Republican Foundation for Fundamental Research; Project title: „Electro-optical study of liquid crystal composite films as photonic devices” 2018-2019 finantat cu 7000 lei si „Investigation of the electro-optical response of polymer dispersed liquid crystals films doped with nanoparticles” 2020-2021 , Responsabil partea romana, UPB	7000 4.6 lei/ Euro	1520
2	2020 Joint Research Project, University “Politehnica” of Bucharest- Faculty of Applied Sciences – JINR Laboratory: Frank Laboratory of Neutron Physics, “Neutron methods and methodologies for the development of optoelectronic materials” contract IUCN Dubna 04-4-1122-2015/2020, numar intern UPB FI 54.20.02, Responsabil contract UPB 3000USD	12900	2670
3	2011 LICNAS_ID_123: Noi sisteme nanocompozite cu cristale lichide. Studiul proprietatilor termofizice si al raspunsului optic in camp electric si magnetic Faza 1. http://www.physics.pub.ro/Cat_Fizica_1/Proiecte/site_cercetare_Prof_Doina_Manaila/index_files/detalii.htm , Responsabil contract	202000 4.2Lei/ Euro	48095
4	2010 Noi sisteme nanocompozite cu cristale lichide. Studiul proprietatilor termofizice si al raspunsului optic in camp electric si magnetic Faza 2. Responsabil contract	175000 4.2 LEI/Euro	42683
5	2009 Noi sisteme nanocompozite cu cristale lichide. Studiul proprietatilor termofizice si al raspunsului optic in camp electric si magnetic Faza 3. Responsabil contract	56250 4.2Lei/Euro	14068
6	2005-2008 „Fenomene de Suprafata si organizare in sisteme disperse cu fluide anizotrope” nr. CEx – 05 – D11 – 76/03.10.2005, consortiu, Nr. Intern UPB 18.05.11 /2.11.05, Perioada 2005-2008, Valoare totala 210000RON, Responsabil UPB	210000 3.4Ron/ euro	61760
7	2001-2003 Proiect de cercetare-dezvoltare, Obtinerea unor noi materiale compozite polimer/cristal lichid : studiul proprietatilor termo-fizice si aplicatii, perioada 2001-2003 Beneficiar CNCISIS; Valoare totala 3 ani 109 000 000 lei. Faza 1, 30.07.2001-1.11.2001, Tema 42, Nr contract 34967/2001 Cod CNCISIS 654, valoare 36 000 000., Cod UPB 18-01-19/2001 Faza 2, Tema 81, Nr. Contract 34967/2002 Cod CNCISIS 177, valoare 30 000 000, Cod UPB 18-01-19/2002 Faza 3 Tema 80 Nr. 33552/1.07.2003, Cod CNCISIS 484, valoare 43 000 000, Cod UPB 18-03-05/2003. Responsabil UPB	10900 3.2RON/ euro	3500
8	1999 D.Manaila - "Noi materiale compozite organice cu aplicatii intransmisia optica a informatiei" Nr. 33084/1999, tema nr.86, CNCISIS. Responsabil contract	500 1.68 lei/ euro	300
9	1998 Responsabil contract Romtelecom. Contract nr.91, (1998) "Studiul experimental al unor dispozitive de comutare electro-optica cu aplicatii in telecomunicatii" 6000USD	6000\$	7000
	Total		181596
	Punctaj $A_{10} = \frac{\sum_i V_i}{100000}$		1.816

Pi1. Activitate de cercetare la nivel international:

2001-2003: Director de cercetare asociat DRA, Centre National de Recherche Scientifique, CNRS, Laboratoire de Physique de la Matière Condensée, Université de Nice-Sophia Antipolis, Franta, Titlul programului de cercetare : *Materiale compozite cu cristale lichide, PDLC si coloidale adaptive*. Proiect finantat de CNRS.

Fisa de calcul si de sustinere a punctului 2. Activitatea de cercetare

Nr.	An	2.1. Articole in reviste si proceedings cotate ISI Thomson Reuter	a_i	n_i	n_{ef}	I	P
1	2021	F. L. Chiriac, M. Iliş, A. Madalan, D. Manaila-Maximean, M. Secu, V. Cîrcu, Thermal and emission properties of a series of lanthanides complexes with N-biphenyl-alkylated-4-pyridone ligands. Crystal structure of a terbium complex with N-benzyl-4-pyridone, <i>Molecules</i> , 26, nr. art. 2017, an 2021, DOI:10.3390/molecules26072017 WOS:000638732700001	0.599	6	5.5	0.000	0
2	2021	D. Manaila-Maximean, 2021. Effective Permittivity of a Multi-Phase System: Nanoparticle-Doped Polymer-Dispersed Liquid Crystal Films. <i>Molecules</i> , 26(5), nr. art. 1441. 2021, DOI:10.3390/molecules26051441 WOS: 000628425600001	0.599	1	1	0.599	0.599
3	2021	D. Manaila-Maximean, Confined liquid crystals- polymer dispersed liquid crystal films, University" Politehnica" of Bucharest Scientific Bulletin, Series A: Applied Mathematics and Physics , vol. 83, issue 1, p.271-278, 2021, WOS:000627614800025	0.086	1	1	0.086	0.086
4	2020	C. P. Ganea, D. Manaila Maximean, V. Cîrcu, Dielectric investigations on carbon nanotubes doped polymer dispersed liquid crystal films, 135, 797, 2020 European Physical Journal plus, AUTOR CORRESPONDENT DOI: 10.1140/epjp/s13360-020-00795-w WOS:000581548500002	0.487	3	3	0.162	0.487
5	2020	C.P. Ganea, V. Cîrcu, Doina Manaila Maximean, "Effect of titanium oxide nanoparticles on the dielectric properties and ionic conductivity of a new smectic bis-imidazolium salt with dodecyl sulfate anion and cyanobiphenyl mesogenic groups", <i>Journal of Molecular Liquids</i> , vol 314, p.113939, AUTOR CORRESPONDENT DOI:10.1016/j.molliq.2020.113939 WOS:000580655700057	0.619	3	3	0.206	0.619
6	2020	Loiko, V.A., Konkolovich, A.V., Miskevich, A.A., Manaila-Maximean, D., Danila, O., Cîrcu, V. and Bărar, A., 2020. Optical model to describe coherent transmittance of polymer dispersed liquid crystal film doped with carbon nanotubes. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 245, p.106892. https://doi.org/10.1016/j.jqsrt.2020.106892 WOS:000534641000027	0.602	7	6	0.100	0
7	2019	L. Badea, D. Manaila-Maximean, P. Ganea, I. Pasuk, V. Carcu, Synthesis and thermal, emission and dielectric properties of liquid crystalline Eu(III), Sm(III) and Tb(III) complexes based on mesogenic 4-pyridone ligands functionalized with cyanobiphenyl groups, <i>Journal of Molecular Liquids</i> , Volume 290, 15 September 2019, 111184, (2019), doi.org/10.1016/j.molliq.2019.111184, WOS: 000483451100041	0.619	5	5	0.124	0
8	2019	Barar, A., Manaila-Maximean, D., Vladescu, M. and Schiopu, P., 2019. SIMULATION OF CHARGE CARRIER TRANSPORT MECHANISMS FOR QUANTUM DOT-SENSITIZED SOLAR CELL STRUCTURES. <i>UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS</i> , 81(3), pp.265-270. WOS:000477968300024	0.086	4	4	0.022	0

9	2018	D. Manaila Maximean, V. Cîrcu, C.P. Ganea, Dielectric properties of a bisimidazolium salt with dodecyl sulfate anion doped with carbon nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 9(1), pp.164-174, (2018), DOI:10.3762/bjnano.9.19, WOS:000423190900001	0.633	3	3	0.211	0.633
10	2018	D. Manaila Maximean, O. Danila, C. P. Ganea, P. L. Almeida 2018, Filling in the voids of electrospun Hydroxypropyl Cellulose network: dielectric investigations, <i>The European physical journal plus</i> , 133(4), p.159, 2018, DOI:10.1140/epjp/i2018-11997-8 WOS:000431461800003	0.450	4	4	0.113	0.45
11	2018	D. Manaila Maximean, New grafted ferrite particles/liquid crystal composite under magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 452, 343-348, (2018), DOI:10.1016/j.jmmm.2017.12.096, WOS:000425547700051	0.433	1	1	0.433	0.433
12	2018	D. Manaila Maximean, O. Danila, P.L. Almeida, C.P. Ganea, Electrical properties of a liquid crystal dispersed in an electrospun cellulose acetate network. <i>Beilstein Journal of Nanotechnology</i> , 9(1), pp.155-163, (2018), DOI:10.3762/bjnano.9.18 WOS:000423189900002	0.633	4	4	0.158	0.633
13	2017	D. Mănăilă-Maximean, C. Cîrtoaje, O. Dănilă, D. Donescu, 2017. Novel colloidal system: Magnetite-polymer particles/lyotropic liquid crystal under magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 438, pp.132-137, (2017) DOI:10.1016/j.jmmm.2017.12.096, WOS:000402480500021	0.466	4	4	0.117	0.466
14	2017	D. Donescu, R.C. Fierascu, M. Ghiurea, D. Manaila-Maximean, Nicolae, C.A., Somoghi, R., Spataru, C.I., Stanica, N., Raditoiu, V. and Vasile, E., 2017. Synthesis and magnetic properties of inverted core-shell polyaniline-ferrite composite. <i>Applied Surface Science</i> , 414, pp.8-17, (2017), DOI:10.1016/j.apsusc.2017.04.061 ; WOS:000402216000002	0.627	10	7.5	0.084	0
15	2015	A. Surmeian, D.Manaila Maximean, B. Mihalcea, O. Stoican, B. Butoi, O. Danila, P. Dinca, I. Barbut, L. Tudor, A. Fazacas, E. Diplasu, GDOES AND GDMS ANALYTICAL SYSTEMS, EFFECTIVE TOOLS FOR CHARACTERIZATION OF CONDUCTIVE AND NONCONDUCTIVE MATERIAL SURFACES. <i>UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS</i> , 77(4), pp.273-280, (2015), WOS:000369178600027	0.064	13	9	0.007	0
16	2013	D. Donescu, S. Raluca, C. I. Spataru, D. Manaila-Maximean, Corresponding author, D. M. Panaitescu, E. Vasile, C. L. Nistor. "Hybrid polymeric latexes containing magnetite." <i>Colloid and Polymer Science</i> 291, no. 10, p. 2345-2358, (2013), DOI : 10.1007/s00396-013-2976-z WOS:000324559200009	0.480	7	6	0.080	0.48
17	2011	V. Cîrcu, A. S. Mocanu, C. Roșu, D. Manaila-Maximean (corresponding author), and Florea Dumitrașcu. "Thermal behaviour and electro-optical properties of a series of liquid crystals based on palladium complexes with mixed ligands: Schiff bases and N-benzoyl thioureas." <i>Journal of thermal analysis and calorimetry</i> 107, no. 3, p. 877-886, (2011), DOI:10.1007/s10973-011-1609-3 WOS:000302703400003	0.239	5	5	0.048	0.239

18	2011	C. Roșu, D. Manaila-Maximean, V. Cîrcu, Y. Molard, T. Roisnel, "Differential negative resistance in the current-voltage characteristics of a new palladium (II) metallomesogen." <i>Liquid Crystals</i> 38, no. 6 (2011): 757-765, DOI:10.1080/02678292.2011.573585 WOS:000291644600012	0.324	5	5	0.065	0
19	2011	C. Rosu, D. Manaila Maximean, S. Kundu, P. L. Almeida, and O. Danila. "Perspectives on the electrically induced properties of electrospun cellulose/liquid crystal devices." <i>Journal of Electrostatics</i> 69, no. 6, p.623-630, (2011), DOI:10.1016/j.elstat.2011.08.009 WOS:000296936700024	0.458	5	5	0.092	0
20	2011	D. Manaila-Maximean, C. Rosu, O. Danila, D. Donescu, M. Ghiurea, F. Cotorobai. "ELECTRICAL FIELD INDUCED PROPERTIES OF NEMATIC LIQUID CRYSTAL/COPOLYMER PARTICLES COMPOSITE." <i>University" Politehnica" of Bucharest Scientific Bulletin, Series A: Applied Mathematics and Physics</i> 73, no. 2 (2011): 193-200, (2011), WOS:000291565500019	0.067	6	5.5	0.012	0.067
21	2011	D. Manaila Maximean, , C. Rosu, L. Frunza, P. Ganea, D. Donescu, M. Ghiurea. "Investigations of Electrical and Electro-Optical Properties of Liquid Crystal/Copolymer-Clay Nanostructured Systems." <i>Molecular Crystals and Liquid Crystals</i> , 546, no. 1 (2011): 143/[1613]-155/[1625], (2011), DOI:10.1080/15421406.2011.571946 ; WOS:000291860300017	0.139	6	5.5	0.025	0.139
22	2011	C.P. Ganea, D. Manaila-Maximean. "LIQUID CRYSTAL/COPOLYMER-CLAY NANOSTRUCTURED SYSTEMS: CONTRIBUTION TO THE CONDUCTIVITY OF THE ELECTRODE POLARIZATION. " <i>UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS</i> 73, no. 4 (2011): 209-216, WOS:000299150300018	0.067	2	2	0.034	0
23	2011	A. Groza, A. Surmeian, C. Diplasu, P. Chapon, D. Manaila Maximean, M. Ganciu. "GD-OES AND GD-MS INVESTIGATIONS OF THE PROCESSES INVOLVED IN THE POLYMERIZATION OF POLYDIMETYLSELOXANE IN CORONA DISCHARGES. " <i>UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS</i> 73, no. 3, p. 133-140, (2011), WOS:000294238100012	0.067	6	5.5	0.012	0
24	2010	M. Ghiurea, R. Munteanu, D. Donescu, D. Manaila-Maximean. "The interaction of liotrope liquid crystals with divinyl-benzene-maleic anhydride copolymers particles." <i>Optoelectronics and Advanced Materials-Rapid Communications</i> 4, no. 4, p. 588-591, (2010), WOS:000277551600035	0.078	4	4	0.020	0
25	2010	C. Rosu, D. Manaila-Maximean, D. Donescu, S. Frunza, and A. R. Sterian. "INFLUENCE OF POLARIZING ELECTRIC FIELDS ON THE ELECTRICAL AND OPTICAL PROPERTIES OF POLYMER-CLAY COMPOSITE SYSTEM." <i>Modern Physics Letters B</i> 24, no. 01, p. 65-73, (2010), DOI:10.1142/S0217984910022238 ; WOS:000273712300006	0.143	5	5	0.029	0

26	2009	V. Cîrcu, D. Mănăilă-Maximean, C. Roșu, M. Iliș, Y. Molard, F. Dumitrașcu. "Mesomorphic behaviour and TSDC measurements of ortho-metallated palladium (II) and platinum (II) complexes with S, O-donor co-ligands." <i>Liquid Crystals</i> 36, no. 2, p. 123-132, (2009), DOI:10.1080/02678290802696173, WOS:000264269000002	0.35	6	5.5	0.064	0
27	2009	D. Manaila-Maximean, C. Rosu, I. Zgura, L. Frunza, D. Stoescu. "Study of Ester-Type Liquid Crystals by TSDC and Optical Investigations." <i>Molecular Crystals and Liquid Crystals</i> , Volume, Proceedings of the 22nd International Liquid Crystal Conference (ILCC 2008) Part VI of VI, 512, no. 1 p. 2004-2012, (2009), DOI:10.1080/15421400903050830, WOS:000271867300016	0.142	5	5	0.028	0.142
28	2009	C. ROȘU, D. Manaila Maximean. "Noise Influence on Fractal Dimension in the Process of Generation of the Julia Fractals." <i>U.P.B. Sci. Bull., Series A</i> , Vol. 71, Iss. 4, (2009), ISSN 1223-7027, WOS:000272392500013	0.067	2	2	0.034	0
29	2008	S. Frunza, A. Schönhals, H. Goering, D. Manaila-Maximean, T. Beica, L. Frunza, R. Moldovan. "Dynamics of Cyanophenyl Alkylbenzoate Molecules in a Surface Layer Adsorbed onto Aerosil. I. Cyanophenyl Hexylbenzoate." <i>Molecular Crystals and Liquid Crystals</i> (ECLC2007), 495, no. 1, p. 60-412, (2008), DOI:10.1080/15421400802430448 WOS:000262857600004	0.159	7	6	0.027	0
30	2008	D. Manaila-Maximean, C. Rosu, D. Donescu, and S. Frunza. "Synthesis and Electro-Optical Studies on Composite Material: Functionalized Copolymer Particles/Nematic Liquid Crystal." <i>Molecular Crystals and Liquid Crystals</i> 495, no. 1 (2008): 158-510, (2008), DOI: 10.1080/15421400802432477, WOS:000262857600011	0.159	4	4	0.040	0.159
31	2007	D. Manaila-Maximean, C. Rosu, D. Donescu, S. Frunza, and T. Beica. "Synthesis and electro-optical studies on composite materials polymer Particles/Nematic liquid crystal." <i>Molecular Crystals and Liquid Crystals</i> 475, no. 1, 209-219, (2007), DOI:10.1080/15421400701735699 WOS:000252090600021	0.162	5	5	0.032	0.162
32	2004*	D. Manaila-Maximean, and C. Rosu. "Influence of polarizing electric field on electrical and optical properties of PDLC films." <i>Molecular Crystals and Liquid Crystals</i> 413, no. 1, p.9-19, (2004), DOI:10.1080/15421400490432506, WOS:000222524700002	0.17	2	2	0.085	0.17
33	2004*	S. J. Kłosowicz, A. Walczak, E. Nowinowski-Kruszelnicki, and D. Manaila-Maximean. "Large LC droplets in polymer matrix." <i>Molecular Crystals and Liquid Crystals</i> 412, no. 1, p.453-459, (2004), DOI:10.1080/15421400490431976, WOS:000222524500050	0.17	4	4	0.043	0
34	2004*	D. Manaila-Maximean, G. Bossis, C. Metayer, and F. Giulieri. "Study of Composite System: Silica Colloidal Particles in Nematic Liquid Crystal." <i>Molecular Crystals and Liquid Crystals</i> 417, no. 1, p.227-233, (2004), DOI:10.1080/15421400490478876, WOS:000224980500022	0.17	4	4	0.043	0.17
35	2004*	D. Manaila-Maximean, C. Rosu, T. Yamamoto, and H. Yokoyama. "Thermally stimulated depolarization currents on colloidal liquid crystal composite system." <i>Molecular Crystals and Liquid Crystals</i> 417, no. 1, p.215-226, (2004), DOI:10.1080/15421400490478867, WOS:000224980500021	0.17	4	4	0.043	0.17

36	2004*	D. Manaila-Maximean, C. Rosu, S. Klosowicz, K. L. Czuprynski, J. M. Gilli, and M. Aleksander. "Polymer-dispersed cholesteric liquid crystals reflecting in the infrared region." <i>Molecular Crystals and Liquid Crystals</i> 417, no. 1, p. 199-205, (2004), DOI:10.1080/15421400490478830, WOS:000224980500019	0.17	6	5.5	0.031	0.17
37	2004*	J. M. Gilli, S. Thiberge, and D. Manaila-Maximean (corresponding author). "New Aspect of the Voltage/Confinement Ratio Phase Diagram for a Confined Homeotropic Cholesteric." <i>Molecular Crystals and Liquid Crystals</i> 417, no. 1, p. 207-213, (2004). DOI:10.1080/15421400490478858, WOS:000224980500020	0.17	3	3	0.057	0.17
38	2003	C. Roșu, D. Mănăila-Maximean, R., Bena, E. Petrescu, S. Klosowicz, K.L. Czuprynski, Thermally stimulated depolarization currents and optical transmission studies on UV cured polymer dispersed liquid crystal films. <i>Czechoslovak journal of physics</i> , 53(3), pp.235-247, (2003) , DOI: 10.1023/A:1022977014904 WOS:000182528800006	0.09	6	5.5	0.016	0
39	2003*	C. Rosu, D. Manaila-Maximean, M. H. Godinho, and P. L. Almeida. "Thermally Stimulated Depolarization Currents and Optical Transmission on Liquid Crystal/Cellulose Derivative Composite Devices." <i>Molecular Crystals and Liquid Crystals</i> 391, no. 1, p. 1-11, (2003). DOI:10.1080/10587250216170, WOS:000182695400001	0.17	4	4	0.043	0
40	2002*	C. Rosu, D. Manaila-Maximean, A. J. Paraskos. "Thermally Stimulated Depolarization Currents and Optical Transmission Studies on A 3, 4-Dicyanothiophene-Based Bent-Rod Liquid Crystal." <i>Modern Physics Letters B</i> 16, no. 13, p. 473-483, (2002), DOI:10.1142/S021798490200397X, WOS:000177568400003	0.1	3	3	0.033	0
41	2001*	D. Manaila-Maximean, R. Bena, C. Rosu, M. Furlani. "Influence of polarizing electric field on phase transition temperatures and optical transmission of PDLC films." <i>Molecular Crystals and Liquid Crystals</i> 365, no. 1, p. 645-653, (2001), DOI:10.1080/10587250108025343, WOS:000171900000069	0.17	4	4	0.043	0.17
42	2001*	A. Piscureanu, T. Pop, M. Dogaru, M. Piscureanu, D. Manaila-Maximean. "Influence of non-ionic surfactants on surface activity of pesticide colloidal systems." <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 178, no. 1, p.129-133, (2001), DOI:10.1016/S0927-7757(00)00584-7, WOS:000166400400010	0.65	5	5	0.130	0
43	2001	T. Pop, D. Manaila-Maximean, I. Pop, M. Furlani, B.E Mellander, "Dielectrical studies on polymer electrolyte using the thermally stimulated depolarization current method", <i>Romanian Reports in Physics</i> , 52, 495-501, (2001) ISSN 1221-1451	0	5	5	0.000	0
44	2000*	E. Petrescu, C. Motoc, D. Manaila. "A dynamical method for determining the elastic constants and relaxation parameters in nematic liquid crystals." <i>Modern Physics Letters B</i> 14, no. 04, p.139-146, (2000), DOI:10.1142/S0217984900000203, WOS:000087197200004	0.2	3	3	0.067	0
45	2000*	C. Rosu, D. Manaila-Maximean. "Mechanically induced electric polarization in polymer dispersed nematic liquid crystal films." <i>Molecular Crystals and Liquid Crystals</i> , 351, no. 1, : p.269-277, (2000), DOI:10.1080/10587250008023276, WOS:000167340700032	0.17	2	2	0.085	0

46	2000*	M. Sylla, D. Manaila-Maximean (Corresponding author), A-M. Albu, and J. Delaunay. "Synthesis, characterization and nonlinear optical properties study of polymers based on coloured monomers." <i>Polymer</i> 41, no. 10, p. 3507-3511, (2000), DOI:10.1016/S0032-3861(99)00610-2, WOS:000085388300002	0.8	4	4	0.200	0.8
47	2001*	D.Manaila-Maximean,V. Hamplova, M. Glogarova, S. Klosowicz, R. Bena, Polarization studies on stretched polymer dispersed ferroelectric liquid crystal films, <i>Molecular Crystals and Liquid Crystals Science and Technology. Section A. Molecular Crystals and Liquid Crystals</i> , 366(1), pp.395-402, (2001), DOI:10.1080/10587250108023982, WOS:000171900100041	0.17	7	6	0.028	0.17
48	1999*	D. Manaila-Maximean, M. Furlani, R. Bena, B.-E. Mellander, C. Rosu, T. Pop, C. Motoc. "Phase transition investigations in polymer/liquid crystal composite materials." <i>Modern Physics Letters B</i> 13, no. 21, p. 759-767, (1999), DOI:10.1142/S0217984999000956, WOS:000083938200005	0.3	7	6	0.050	0.3
49	1998*	D. Manaila-Maximean, C. Rosu, R. Bena. "Bistability and multistability in polymer-dispersed liquid-crystal films." <i>JOSA B</i> 15, no. 12, p.2975-2978, (1998), DOI:10.1364/JOSAB.15.002975, WOS:000077482400019	1.9	3	3	0.633	1.9
50	1997*	D. Manaila-Maximean, R. Bena, A.-M. Albu, "Electric and electro-optic investigations on polymer dispersed liquid crystal films." <i>Modern Physics Letters B</i> 11, no. 09n10, p.431-440, (1997), DOI:10.1142/S0217984997000530, WOS:A1997XK47500007	0.9	3	3	0.300	0.9
51	1996	M. -C. Penache, D. Penache, M. Ganciu, I. Iovitz Popescu, S. Enescu, V. Zoran, D. Manaila. "An energy dispersive absorption method for characterization of X-ray emission and repetitive pulsed discharges." <i>Romanian Reports in Physics</i> 49, no. 1-2, p. 177-181, (1996),	0	7	6	0.000	0
52	1982	I.M. POPESCU, P.E. STERIAN, D. MANAILA MAXIMEAN, and AG PODOLEANU. "STABILITY CONDITIONS FOR THE MULTIMODE CW GAS LASER OPERATION, OBTAINED BY USING THE LYAPOUNOV THEOREM." <i>Revue Roumaine de Physique</i> 27, no. 6-7, p. 569-571, (1982), WOS:A1982PH87600008	0	4	4	0.000	0
		Total				4.989	10.285
	I=	4.989					
	P=	10.285					
	a_i	Article Influence Score (AIS)					
	n_{ef}	Numar efectiv de autori					
	I	AIS/numar efectiv autori					
	P	Autor principal					

Observatii :

-*: Scorul pentru articolele pentru care, la data publicarii, Article Influence Scor nu era publicat pe Web of Science au fost luate de pe site-ul www.eigenfactor.org

-Articolul de la punctul 1, desi publicat la data depunerii dosarului, nu a fost considerat in suma, deoarece inca nu era inregistrat in baza Web of Science.

-Articolele de la punctele 43, 48, 52 publicate in *Romanian Reports in Physics / Revue Roumaine de Physique* nu au fost considerate in suma.

Fisa de Calcul si de sustinere a punctului 3. Recunoasterea impactului activitatii

Citari in reviste stiintifice cu factor de impact care se gasesc in InCites Journal Citation Reports sau in carti in edituri recunoscute Web of Science.

3. Desfasurator: Recunoasterea impactului activitatii – citari in reviste si carti ISI					
	Articolul	Citat in articolul:	Nr. Cit.	$n_{i,eff}$	C_i
1	D. Manaila-Maximean, R. Bena, A.M. Albu, 1997. Electric and electro-optic investigations on polymer dispersed liquid crystal films. Modern Physics Letters B, 11(09n10), pp.431-440, (1997), WOS:A1997XK47500007	1.Iliş, M. and Cîrcu, V., Discotic liquid crystals based on Cu (I) complexes with benzoylthiourea derivatives containing a perfluoroalkyl chain. Journal of Chemistry, 2018, WOS:000439262000001 2. Herod, T.E. and Duran, R.S., 1998. Two-and three-dimensional nanoparticles of liquid crystals prepared at the air/liquid interface. Langmuir, 14(22), pp.6606-6609, WOS:000076792100042 3. Albu, Ana-Maria. "Second and Third Nonlinear Optical Response in Azoic Pendant Macromolecular Structures." REVISTA DE CHIMIE 60, no. 1 (2009): 38-41, WOS:000264040000009	3	3	1
2	D. Manaila-Maximean, M. Furlani, R. Bena, B.E. Mellander, C. Rosu, T. Pop, C. Motoc, 1999, Phase transition investigations in polymer/liquid crystal composite materials. Modern Physics Letters B, 13(21), pp.759-767, (1999). WOS:000083938200005	1. Mucha, M., 2003. Polymer as an important component of blends and composites with liquid crystals. Progress in Polymer Science, 28(5), pp.837-873, DOI: 10.1016/S0079-6700(02)00117-X WOS:000182576100003 2. Mukherjee, A., Bhattacharyya, S.S., Chaudhuri, B.K. and Wu, S.L., 2009. Effect of polymer relaxation on dielectric spectroscopic study of polymer-ferroelectric liquid crystal composites. Journal of Molecular Liquids, 148(2), pp.127-131. DOI: 10.1016/j.molliq.2009.07.007 WOS:000269760000012 3. Jiang, Z., Zheng, J., Liu, Y., Zhu, Q. Volume 295, Investigation of dielectric properties in polymer dispersed liquid crystal films doped with CuO nanorods Journal of Molecular Liquids, Volume 295, 1 December 2019, Article number 111667, DOI:10.1016/j.molliq.2019.111667 WOS:000506728000009	3	6	0.5
3	D. Manaila-Maximean, C. Rosu, R. Bena, Bistability and multistability in polymer-dispersed liquid-crystal films, JOSA B 15, no. 12 (1998): 2975-2978, (1998), WOS:000077482400019	1. Fritz, K.P. and Scholes, G.D., 2003. Alignment of conjugated polymers in a nematic liquid-crystal host. The Journal of Physical Chemistry B, 107(37), pp.10141-10147, WOS:000185345400030 2. Zhang, Q., Qin, C., Chen, K., Xiong, M. and Zhang, X., 2012. Novel optical multibistability and multistability characteristics of coupled active microrings. IEEE Journal of Quantum Electronics, 49(3), pp.365-374, WOS:000315955400002	2	3	0.67
4	M. Sylla, D. Manaila-Maximean, A.M. Albu, and Delaunay, J., 2000. Synthesis, characterization and nonlinear optical properties study of polymers based on coloured monomers. Polymer, 41(10), pp.3507-3511, (2000), WOS:000085388300002	1. Kouznetsov, D., Moloney, J.V. and Wright, E.M., 2001. Efficiency of pump absorption in double-clad fiber amplifiers. I. Fiber with circular symmetry. JOSA B, 18(6), pp.743-749, WOS:000169159400002 2. Kannappan, S., Liyakath, R. and Tatsugi, J., 2016. Third-order nonlinear optical characteristics of bulk film effect on regioregular poly (3-dodecylthiophene) thin films fabricated by the drop-casting method. Journal of Materials Science: Materials in Electronics, 27(9), pp.8973-8979. WOS:000381159800016 3. Stanculescu, F. and Stanculescu, A., 2016. Polycarbonate-Based Blends for Optical Non-linear Applications. Nanoscale research letters, 11(1), p.87. WOS:000373039300001 4. Stanculescu, F., Stanculescu, A., Girtan, M., Socol, M. Rasoga, O., 2012. Effect of the morphology on the optical and electrical properties of polycarbonate film doped with aniline derivatives monomers. Synthetic Metals, 161(23), pp.2589-2597. WOS:000300653700017 5. Schab-Balcerzak, E., Sek, D., Grabiec, E., Volozhin, A. and Chamenko, T., 2001. New polyimides as precursors for functionalized polymers. High Performance Polymers, 13(1), pp.35-44. WOS:000167998300004	10	4	2.5

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	TOTAL=58.38				58.38

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