

Fișa de Autoevaluare

Întocmită conform criteriilor din Anexa 3 a Ordinului Ministrului Educației nr 6.129/2016

Corespunzatoare domeniului de doctorat - Fizica

1. Activitate didactică și profesională

Nr.	Descriptor	Puncte
2	Capitole de carti in edituri internationale recunoscute Web of Science/Review-uri in jurnale ISI	A2=0.5
6	Lucrari in –extenso in Proceedinguri indexate ISI	A6=0.2
8	Brevete de inventie nationale acordate	A8=0.5
10	Director/Responsabil pentru contracte de cercetare științifică	A10=1.38
TOTAL PUNCTE/DESCRIPTOR A=2.58		

Criterii minimale:

CS2/Conf A≥1;

Abilitare/CS1/Prof. Univ A≥2

2. Activitate de cercetare

Nr.	Descriptor	Puncte
1	Articole științifice în reviste cotate Web of Science cu factor de impact	I=7.8
2	Articole științifice publicate ca prim autor în reviste cotate Web of Science cu factor de impact	P=7.2

Criterii minimale:

CS2/Conf I≥2 P≥2;

Abilitare/CS1/Prof. I≥4 P≥4

Criterii minimale UAIC I≥1 P≥1

Fișa de Autoevaluare

1. ACTIVITATEA DIDACTICA ȘI PROFESIONALĂ

Cărți și capitole în cărți de specialitate

Nr. Crt.	Titlul cărții/capitolului	Autori	An apariție/editură	Puncte
1	Spectroscopic Characterization of Multiferroic interfaces	M. A. Husanu, C. A. F. Vaz	Spectroscopy of Complex Oxide Interfaces, Springer, 2018	A2=0.5

Lucrări in extenso in reviste indexate ISI

Nr. Crt.	Titlul lucrării	Autori	Jurnal	Puncte
1	Fe/Si(001) Ferromagnetic Layers: Reactivity, Local Atomic Structure and Magnetism	G. A. Lungu, R. M. Costescu, M. A. Hușanu, and N. G. Gheorghe	AIP Conference Proceedings 1387, 203-207 (2011)	0.05
2	Successful Cleaning and Study of Contamination of Si(001) in Ultrahigh Vacuum	N. G. Gheorghe, G. A. Lungu, M. A. Hușanu, and R. M. Costescu	AIP Conference Proceedings 1387, 218-225 (2011)	0.05
				A6=0.1

Brevete acordate

Nr. Crt.	Titlu	Autori	Nr. inregistrare	Puncte
1	<i>Vanadium Oxide Nanoparticles Doped With Magnetic Metals for Applications In Hyperthermal Therapy of Malignant Tumours</i>	C.M. Teodorescu, R.M. Costescu, M.A. Husanu, N.G. Gheorghe, A.G. Lungu	RO128005-A2	0.1
2	Procedeu de obtinere a cristalelor fotonice bi-dimensionale prin ablatie laser	D.G. Popescu, M.A. Husanu	RO131779-A2	0.25

A8=0.35

Contracte de cercetare științifică

Nr. Crt.	Titlu Proiect	Instituția	Director/ Membru	Valoare (EUR)	Puncte
1	<i>Ultrafast laser Facility with Optimized high order harmonics UltraViolet sources (UFOUV)</i>	Institutul National de Cercetare-Dezvoltare pentru Fizica Plasmei, Laerilor si Radiatiei – INFLPR Bucuresti, PN 1/2012, 2012-2015	responsabil	137777	1.38

A9=1.38

2. ACTIVITATEA DE CERCETARE

Articole in reviste cotate ISI				
Nr.	Titlul articolului	Autorii articolului/ n_i^{ef}	a_i	a_i/n_i^{ef}
1	<i>Raman and photoluminescence studies on intercalated lead iodide with pyridine and iodine,</i> Journal of Optoelectronics and Advanced Materials , 10, 319-322 (2008)	Preda, N. , Mihut, L. , Baibarac, M. , Husanu, M. , Bucur, C. , Baltog, I.	0.113	0.021
2	<i>Photoluminescence properties of composites based on zinc oxyde and single-walled carbon</i>	Baibarac, M. , Baltog, I. , Husanu, M. , Velula, T.	0.113	0.02

	<i>nanotubes, Journal of Optoelectronics and Advanced Materials</i> , 10, 288-293 (2008)	Bucur, C. , Mihut, L. , Preda, N.		
3	<i>Vibrational and photoluminescence properties of composites based on zinc oxide and single-walled carbon nanotubes, Physica E</i> 40, 2556-2564 (2008)	Baibarac, M., Baltog, I. , Lefrant, S. , Mevellec, J.Y. , Husanu, M.	0.384	0.077
4	<i>Resonant Raman scattering and absorption spectroscopy studies on individual carbon Nanotubes in surfactant solutions, Journal of Optoelectronics and Advanced Materials</i> , 10, 1722-1726 (2008)	Husanu, M. , Baibarac, M. , Preda, N. , Baltog, I.	0.113	0.028
5	<i>Non-covalent functionalization of carbon nanotubes: Experimental evidence for isolated and bundled tubes, Physica E</i> 41, 66-69, 2009	Husanu M., Baibarac M., Baltog I.	0.384	0.128
6	<i>Particular signature of isolated and bundled carbon nanotubes in their Raman spectra, Romanian Reports in Physics</i> , 60, 691-699, 2008	Husanu M., Baibarac M., Baltog I.	0.125	0.041
7	<i>Radiofrequency Plasma Beam Deposition Of Various Forms Of Carbon Based Thin Films And Their Characterization, Applied Surface Science</i> , 255 (10), 5378-5381, 2009	S.Vizireanu, Stoica SD, Mitu B, Husanu MA , Galca A, Nistor L, Dinescu G,	0.503	0.088
8	<i>Electron-Phonon Interaction In Zinc Oxide. Plasmon-Optical Phonon Coupled Modes, Physica Status Solidi B</i> , 246(1), 87-91, 2009	M. A. Husanu	0.456	0.456
9	<i>Vibrational Properties Of Polyaniline Functionalized Pbl₂, Romanian Journal of Physics</i> , 54(7-8), 677-688, 2009	I. Baltog, M.Baibarac, L.Mihut, N.Preda, T.Velula, C.Bucur, M.Husanu,	0.095	0.018
10	<i>The Intercalation Of Pbl₂ With 2,2'-Bipyridine Evidenced By Photoluminescence, FT-IR And Raman Spectroscopy Romanian Reports in Physics</i> , 54(7-8), 667-676, 2009	N. Preda, L. Mihut, M.Baibarac, I.Baltog, M.Husanu, C.Bucur, T.Velula	0.095	0.016
11	<i>Absorption And Luminescence Properties Of C₇₀</i>	Husanu AM, Baltog I, Baibarac M, Preda N, Mihut L,	0.095	0.016

	Aggregates In Solvent Mixtures, Romanian Journal of Physics , 54 (5-6), 529-538, 2009	Velula T, Bucur C,		
12	Thermodynamic destabilization of Li-N-H system by Si addition, <i>Journal of Alloys and Compounds</i> , 505 (1), 343-347, 2010	P.Palade, G.A.Lungu, M.A.Husanu	0.471	0.157
13	Polymer-Like And Diamond-Like Carbon Coatings Prepared by RF-PECVD for Biomedical Applications, Digest Journal of Nanomaterials and Biostructures , 5 (3), 705-718, 2010	G.E.Stan, D.A. Marcov, A.C.Popa, <u>M.A. Husanu</u> ,	0.23	0.057
14	Dielectric and ferroelectric characterization of $Ba_{0.95}Tm_{0.05}TiO_3$ ceramics derived from sol to gel, J. Am. Ceram. Soc. 94 (3), 736-741 (2011).	M. Cernea, B.S. Vasile, P.Ganea, R. Radu, V. Mihalache, <u>A. Husanu</u> ,	0.753	0.141
15	Substrate-target distance dependence of structural and optical properties in case of $Pb(Zr,Ti)O_3$ films obtained by pulsed laser deposition, , Appl. Surf. Sci. 257 (14), 5938-5943 (2011)	A.C. Galca, V. Stancu, <u>M.A. Husanu</u> , C. Dragoi, N.G. Gheorghe, L. Trupina, M. Enculescu, E. Vasile	0.550	0.091
16	Highly adherent bioactive glass thin films synthesized by magnetron sputtering at low temperature, J. Mater. Sci.-Mater. Med. 22 (12), 2693-2710 (2011).	G.E. Stan, I. Pasuk, <u>M.A. Husanu</u> , I. Enculescu, S. Pina, A.F. Lemos, D.U. Tulyaganov, K. El Mabrouk, J.M.F. Ferreira	0.644	0.101
17	Atomic structure and magnetism of PLD deposited $TiO_2:Fe$, Dig. J. Nanomater. Bios. 7 (1), 73-78 (2012)	R.M. Costescu, G.A. Lungu, G. Socol, N.G. Gheorghe, D. Macovei, C.C. Negrilă, C. Logofătu, <u>M.A. Husanu</u> , D.G. Popescu, C.A. Tache, C.M. Teodorescu	0.23	0.032
18	Reactivity, magnetism and local atomic structure in ferromagnetic Fe layers deposited on Si(001), Dig. J. Nanomater. Bios. 7 (1), 373-384 (2012).	N.G. Gheorghe, <u>M.A. Husanu</u> , G.A. Lungu, R.M. Costescu, D. Macovei, D.G. Popescu, C.M. Teodorescu,	0.23	0.04
19	Atomic structure and reactivity of ferromagnetic Fe deposited on Si(001), J. Mater. Sci. 47 (4), 1614-1620 (2012).	N.G. Gheorghe, <u>M.A. Husanu</u> , G.A. Lungu, R.M. Costescu, D. Macovei, C.M. Teodorescu	0.59	0.11
20	Epitaxial ferromagnetic samarium and samarium silicide synthesized on Si(001), J. Mater. Sci. 47 (20), 7225-7234 (2012)	R.M. Costescu, N.G. Gheorghe, <u>M.A. Husanu</u> , G.A. Lungu, D. Macovei, I. Pintilie, D.G. Popescu, C.M. Teodorescu	0.59	0.098

21	Structure, reactivity, electronic configuration and magnetism of samarium atomic layers deposited on Si(001) by molecular beam epitaxy, Appl. Surf. Sci. 267 , 106-111 (2013)	N.G. Gheorghe, G.A Lungu, M.A Husanu , R.M. Costescu, D. Macovei, C.M. Teodorescu	0.55	0.103
22	Au-Ge bonding on uniformly Au-covered Ge(001) surface, Phys. Status Solidi-Rapid Res. Lett. 7 , 274-277 (2013)	D.G. Popescu, M.A. Husanu	0.769	0.385
23	Multi-layer haemocompatible diamond-like carbon coatings obtained by combined radio frequency plasma enhanced chemical vapor deposition and magnetron sputtering, J. Mater. Sci.-Mater. Med. 24 (12), 2695-2707 (2013).	A.C. Popa, G. Stan, M.A. Husanu, I. Pasuk, I.D. Popescu, A.C. Popescu, I.N. Mihailescu	0.596	0.105
25	Gold nano-island arrays on silicon as SERS active substrate for organic molecule detection, Thin Solid Films 550 , 354-360 (2014)	T. Ignat, M.A Husanu, R. Munoz, M. Kusko, M. Danila, C.M. Teodorescu	0.456	0.085
26	Epitaxial growth of Au on Ge(001) surface: Photoelectron spectroscopy measurements and first-principles calculations, Thin Solid Films 552 , 241-249 (2014)	D.G. Popescu, M.A. Husanu	0.456	0.228
27	Nanomechanical characterization of bioglass films synthesized by magnetron sputtering, Thin Solid Films 553 , 166-172 (2014)	A.C. Popa, V.M.F. Marquez, G.E. Stan, M.A. Husanu, A.C. Galca, C. Ghica, D.U Tulyaganov, A.F. Lemos, J.M.F. Ferreira	0.456	0.072
28	The role of ambient gas and pressure on the structuring of hard diamond-like carbon films synthesized by pulsed laser deposition, Materials 8 , 3284-3305 (2015)	Popescu, A.C. , Stan, G.E. , Duta, L., Nita, C. , Popescu, C. , Surdu, V.-A. , Husanu, M.-A. , Bita, B. , Ghisleni, R. , Himcinschi, C. , Craciun, V.	0.77	0.11
29	Structural and biological evaluation of lignin addition to simple and silver-doped hydroxyapatite thin films synthesized by matrix-assisted pulsed laser evaporation, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE 26 , 17 (2015)	Jankovic, A; Erakovic, S ; Ristoscu, C ; Mihailescu, N ; Duta, L ; Visan, A ; Stan, GE ; Popa, AC ; Husanu, MA ; Luculescu, CR Srdic, VV] ; Janackovic, D ; Miskovic-Stankovic, V; Bleotu, C ; Chifiriuc, MC ; Mihailescu, IN	0.585	0.068
30	Spectro-microscopic photoemission evidence of	D.G. Popescu, M.A. Husanu, L. Trupina, L. Hrib, L.	1.184	0.187

	charge uncompensated areas in <i>Pb(Zr,Ti)O₃(001)</i> layers, Phys. Chem. Chem. Phys. 17 , 509 (2015)	Pintilie, A. Barinov, S. Lizzit, P. Lacovig, C.M. Teodorescu		
31	Photoelectron spectroscopy and spectro-microscopy of <i>Pb(Zr,Ti)O-3 (111)</i> thin layers: Imaging ferroelectric domains with binding energy contrast, Applied Surface Science 352 , 73-81 (2015)	M.A. Husanu, D.G. Popescu, C.A. Tache, N.G. Apostol, A. Barinov, S. Lizzit, P. Lacovig, C.M. Teodorescu	0.796	0.092
32	Surface topography to reflectivity mapping in two-dimensional photonic crystals designed in germanium, <i>Applied Surface Science</i> 355 , 1186-1191 (2015)	M.A. Husanu, C.P. Ganea, I. Anghel, C. Florica, O. Rasoga, D.G. Popescu	0.55	0.103
33	Correlation of optical reflectivity with numerical calculations for a two-dimensional photonic crystal designed in Ge, The European Physical Journal D 69 , 273 (2015)	M.A. Husanu, D.G. Popescu, C.P. Ganea, I. Anghel, C. Florica	0.454	0.091
34	Influence of hole depletion and depolarizing field on the <i>BaTiO₃/La_{0.6}Sr_{0.4}MnO₃</i> interface electronic structure revealed by photoelectron spectroscopy and first-principles calculations, Phys. Rev. B 92 , 235442 (2015)	D.G. Popescu, N. Barrett, C.Chirila, I. Pasuk, M.A. Husanu	1.331	0.266
35	Thickness Influence on In Vitro Biocompatibility of Titanium Nitride Thin Films Synthesized by Pulsed Laser Deposition, Materials , 9 , 38 (2016)	L. Duta, G.E. Stan, A.C. Popa, M.A. Husanu, S. Moga, M. Socol, I. Zgura, F. Miculescu, I. Urzica, A.C. Popescu.IN. Mihailescu	0.691	0.086
36	Dimensionality-driven metal-insulator-transition in spin-orbit coupled <i>SrIrO₃</i> , <i>Phys. Rev. Lett.</i> 119 , 256404 (2017)	P. Schütz, D. Di Sante, L. Dudy, J. Gabel, M. Stübinger, M. Kamp, Y. Huang, M. Capone, M.-A. Husanu, V. Strocov, G. Sangiovanni, M. Sing, R. Claessen	3.226	0.358
37	Discovery of Lorentz-violating Weyl fermion semimetal state in <i>LaAlGe</i> materials, Science Advances , 3 (6), e1603266 (2017)	Su-Yang Xu, Nasser Alidoust, Guoqing Chang, Hong Lu, Bahadur Singh, Ilya Belopolski, Daniel Sanchez, Xiao Zhang, Guang Bian, Hao Zheng, Marius-Adrian Husanu, Yi Bian, Shin-Ming Huang, Chuang-Han Hsu, Tay-Rong Chang, Horng-Tay Jeng, Arun Bansil, Vladimir N. Strocov,	5.413	0.416

38	<i>k</i> -space imaging of anisotropic 2D electron gas in GaN/GaN high-electron-mobility transistor heterostructures, Nature Commun 9 , 2653 (2018)	Hsin Lin, Shuang Jia, M. Zahid Hasan L. L. Lev, I. O. Maiboroda, M.-A. Husanu, E. S. Grichuk, N. K. Chumakov, I. S. Ezubchenko, I. A. Chernykh, X. Wang, B. Tobler, T. Schmitt, M. L. Zanaevskin, V. G. Valeev & V. N. Strocov	5.684	0.632
39	Orbital Ordering of the Mobile and Localized Electrons at Oxygen-Deficient LaAlO ₃ /SrTiO ₃ Interfaces, ACS Nano , 12 (8), 7927–7935 (2018)	A. Chikina, F. Lechermann, M.A. Husanu, M.Caputo, C. Cancellieri , X. Wang, T.Schmitt, M. Radovic, and V. N. Strocov	4.045	0.578
40	Electronic band structure of the buried SiO ₂ /SiC interface investigated by soft x-ray ARPES, Appl. Phys. Lett. 110 , 132101 (2017)	J. Woerle1, F. Bisti, M.-A. Husanu, V. N. Strocov, C. W. Schneider, H. Sigg, J. Gobrecht, U. Grossner, and M. Camarda	0.969	0.138
41	Double Band Inversion in α -Sn: Appearance of Topological Surface States and the Role of Orbital Composition, Phys. Rev. B 95 , 161117(R) (2017)	Victor A. Rogalev, Tomáš Rauch, Markus R. Scholz, Felix Reis, Lenart Dudy, Andrzej Fleszar, Marius-Adrian Husanu, Vladimir N. Strocov, Jürgen Henk, Ingrid Mertig, Jörg Schäfer, and Ralph Claessen	1.227	0.144
42	Spectroscopic perspective on the interplay between electronic and magnetic properties of magnetically doped topological insulators, Phys. Rev. B 96 , 184402 (2017)	J. A. Krieger, Cui-Zu Chang, M.-A. Husanu, D. Sostina, A. Ernst, M. M. Otrokov, T. Prokscha, T. Schmitt, A. Suter, M. G. Vergniory, E. V. Chulkov, J. S. Moodera, V. N. Strocov, and Z. Salman	1.227	0.129
43	Large positive linear magnetoresistance in the two-dimensional t ₂ g electron gas at the EuO/SrTiO ₃ interface, Scientific Reports , 8 , 7721 (2017)	K. Kormondy, L. Gao, X. Li, S. Lu, A. B. Posadas, S.Shen, M. Tsoi, M. McCartney, D. Smith, J.-S. Zhou, L. Lev, M.-A. Husanu, V. Strocov, and A. Demkov	1.263	0.135
44	Fabrication of antimicrobial silver-doped carbon structures by combinatorial pulsed laser deposition, Int. J. Pharmaceutics , 515 , 592-606 (2016)	I. N.Mihailescu D. Bociaga, G. Socol, G. E.Stan, M. C. Chifiriuc, C. Bleotu, M. A.Husanu, G. Popescu-Pelin,L. Duta, C. R.Luculescu, I. Neguta, C. Hapenciuc, C. Besleaga, I.Zgura, F. Miculescu	0.766	0.077
45	Aging phenomena and wettability control of plasma deposited carbon nanowall layers, Plasma Processes and Polymers , 14 , 1700023 (2017)	S. Vizireanu M.D. Ionita R.E. Ionita S. D. Stoica C. M. Teodorescu, M.A. Husanu N. G. Apostol M. Baibarac D. Panaitescu G. Dinescu	0.614	0.082
46	Optimized silicon reinforcement of carbon coatings by pulsed laser technique for superior functional biomedical surfaces fabrication, Biofabrication , 9 (2), 025029 (2017)	I N Mihailescu, D Bociaga2, G Popescu-Pelin, G E Stan, L Duta, G Socol, M C Chifiriuc, C Bleotu, V Lazar, M A Husanu, I Zgura, F Miculescu, I Negut and C Hapenciuc	1.342	0.141
47	Bioglass implant-coating interactions in	A. C. Popa; G. E. Stan; M.A. Husanu; I. Mercioniu; Santos,	0.983	0.156

	synthetic physiological fluids with varying degrees of biomimicry, Int. J. Nanomedicine , 12 , 683 (2017)	L. F.; Fernandes, H. R.; Ferreira, J. M. F.		
48	New bio-active, antimicrobial and adherent coatings of nanostructured carbon double-reinforced with silver and silicon by Matrix-Assisted Pulsed Laser Evaporation for medical applications, Appl. Surf. Sci. 441 , 871-883 (2018)	Duta, L.; Ristoscu, C.; G. E. Stan; M.A. Husanu; C. Besleaga; Chifiriuc, M. C.; Lazar, V.; Bleotu, C.; Miculescu, F.; Mihailescu, N.; Axente, E.; Badiceanu, M.; Bociaga, D.; Mihailescu, I. N.	0.589	0.062
49	Impact on Ferroelectricity and Band Alignment of Gradually Grown Au on BaTiO ₃ , Phys. Status Solidi – RRL , 13 (7), 1900077 (2019)	Popescu, D. G. ; Husanu, M. A. ; Chirila, C.; Pintilie, L. ; Teodorescu, C. M	0.679	0.136
50	Probing single-unit-cell resolved electronic structure modulations in oxide superlattices with standing-wave photoemission, <i>Phys. Rev. B</i> 100 (12), 125119 (2019)	Yang, W. ; Chandrasena, R. U. ; Gu, M. ; dos Reis, R. M. S. ; Moon, E. J. ; Arab, Arian ; Husanu, M-A ; Nemsak, S. ; Gullikson, E. M. ; Ciston, J. ; Strocov, V. N. ; Rondinelli, J. M. ; May, S. J. ; Gray, A. X,	1.018	0.102
51	k-resolved electronic structure of buried heterostructure and impurity systems by soft-X-ray ARPES,. J. Electron Spectroscopy Rel. Phenomena , 236 , 1-8 (2019)	Strocov, V. N. ; Lev, L. L. ; Kobayashi, M. ; Cancellieri, C. ; Husanu, M-A ; Chikina, A. ; Schroeter, N. B. M. ; Wang, X. ; Krieger, J. A. ; Salman, Z	0.5	0.066
52	Electronic phase separation at LaAlO ₃ /SrTiO ₃ interfaces tunable by oxygen deficiency, Phys. Rev. Mater. 3 (10), 106001 (2019)	Strocov, V. N. ; Chikina, A. ; Caputo, M. ; Husanu, M-A ; Bisti, F. ; Bracher, D. ; Schmitt, T. ; Granozio, F. Miletto ; Vaz, C. A. F. ; Lechermann, F	1.154	0.154
53	Polarization-dependent magnetism of the Ni/BaTiO ₃ interface, Phys. Rev. Mater. 4 (3), 034402 (2020)	Bocirnea, A. E. ; Popescu, D. G. ; Chirila, C. ; Costescu, R. M. ; Kuncser, V ; Stancu, V ; Trupina, L. ; Pasuk, I ; Vlaicu, A. M. ; Husanu, M. A,	1.154	0.153
54	Electron-polaron dichotomy of charge carriers in perovskite oxides, Communications Physics 3 (1), 62 (2020)	Husanu, M-A ; Vistoli, L. ; Verdi, C. ; Sander, A. ; Garcia, V ; Rault, J. ; Bisti, F. ; Lev, L. L. ; Schmitt, T. ; Giustino, F. ; Mishchenko, A. S. ; Bibes, M. ; Strocov, V. N,	1.96	0.21
$I = \sum_i \frac{a_i}{n_i} = 8.213$				
Articole prim autor sau autor corespondent in reviste cotate ISI				
Nr.	Titlul articolului	Autorii articolului	a _i	
1	Resonant Raman scattering and absorption spectroscopy studies on individual carbon	Husanu, M; Baibarac, M; Preda, N, Baltog	0.113	

	nanotubes in surfactant solutions, <i>Journal of Optoelectronics and Advanced Materials</i> , 10(7),1722-1726, (2008)		
2	Particular signature of isolated and bundled carbon nanotubes in their Raman spectra, <i>Romanian Reports In Physics</i> , 60(3), 691-699, (2008)	Husanu, M; Baibarac, M; Baltog, I	0.095
3	Non-Covalent Functionalization Of Carbon Nanotubes: Experimental Evidence For Isolated And Bundled Tubes, <i>Physica E</i> , 41(1) ,66-69, (2008)	Husanu, M; Baibarac, M; Baltog	0.384
4	Electron-Phonon Interaction In Zinc Oxide. Plasmon-Optical Phonon Coupled Modes, <i>Physica Status Solidi B</i> ,246(1), 87-91, (2009)	M.A. Husanu	0.456
5	Absorption And Luminescence Properties Of C70 Aggregates In Solvent Mixtures, <i>Romanian Journal of Physics</i> , 54(5-6), 529-538, (2009)	Husanu AM,Baltog I, Baibarac M, Preda N, Mihut L, Velula T, Bucur C	0.095
6	Au-Ge bonding on uniformly Au-covered Ge(001) surface, Phys. Status Solidi-Rapid Res. Lett. 7 , 274-277 (2013)	D.G. Popescu, M.A. Husanu	0.875
7	Epitaxial growth of Au on Ge(001) surface: Photoelectron spectroscopy measurements and first-principles calculations, Thin Solid Films 552 , 241-249 (2014)	D.G. Popescu, M.A. Husanu	0.456
8	Influence of hole depletion and depolarizing field on the BaTiO ₃ /La _{0.6} Sr _{0.4} MnO ₃ interface electronic structure revealed by photoelectron spectroscopy and first-principles calculations, <i>Phys. Rev. B</i> . 92, 235442(2015)	D.G. Popescu, N. Barrett, C.Chirila, I. Pasuk, M.A. Husanu	1.228
9	Correlation of optical reflectivity with numerical calculations for a two-dimensional photonic crystal designed in Ge, <i>Eur. Phys. J. D</i> 69, 273 (2015)	M.A. Husanu, D.G. Popescu, C.P. Ganea, I. Anghel, C. Florica	0.454
10	Surface topography to reflectivity mapping in two-dimensional photonic crystals designed in germanium, <i>Appl. Surf. Sci.</i> 355, 1186-1191	M.A. Husanu, C.P. Ganea, I. Anghel, C. Florica, O. Rasoga, D.G. Popescu	0.55

11	(2015) <i>Photoelectron spectroscopy and spectro-microscopy of Pb(Zr,Ti)O-3 (111) thin layers: Imaging ferroelectric domains with binding energy contrast, Applied Surface Science 352, 73-81 (2015)</i>	M.A. Husanu, D.G. Popescu, C.A. Tache, N.G. Apostol, A. Barinov, S. Lizzit, P. Lacovig, C.M. Teodorescu	0.55
12	<i>Electron-polaron dichotomy of charge carriers in perovskite oxides, Communications Physics 3 (1), 62 (2020)</i>	Husanu, M-A ; Vistoli, L. ; Verdi, C. ; Sander, A. ; Garcia, V ; Rault, J. ; Bisti, F. ; Lev, L. L. ; Schmitt, T. ; Giustino, F. ; Mishchenko, A. S. ; Bibes, M. ; Strocov, V. N,	1.96
$P = \sum_i a_i = 7.216$			