CS II dr. Vasile TIRON
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Centrul RAMTECH

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	
$I = A + P/2 + I/2 + C/20 + h/5$			$A_1 = \sum_i 4/n_i^a$	$A_2 = \sum_i 1/n_i^a$	$A_3 = \sum_i 0.5/n_i^a$	$A_4 = \sum_i 0.5/n_i^a$	$A_5 = \sum_i 0.2/n_i^a$	$A_6 = \sum_i 0.2/n_i^a$	$A_7 = \sum_i 3/n_i^a$	$A_8 = \sum_i 0.5/n_i^a$	$A_9 = \sum_{i=1}^{5} 0.5$	$A_{10} = \sum V_i / 100.000$	$A = \sum_{i=1}^{10} A_i$	$I = \sum_i AIS_i / n_i^a$	$P = \sum_i AIS_i$	$C = \sum_i c_i / n_i^a$	h	
Tiron Vasile	CS II	FIZICĂ						0,47		0,07		5,08	**5,62**	**8,81**	**17,78**	**127,94**	**17**	**28,7095**

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

Criterii minimale	prof/CS I	conf/CS II
A	**2**	**1**
I	**4**	**2**
P	**4**	**2**
C	**40**	**20**
h	**10**	**5**
	12	**5**

12.12.2022

Activitatea didactica si profesionala			
1. Cărți în edituri internaționale recunoscute Web of Science în calitate de autor			
Date identificare	**Numar autori**	**Numar efectiv**	**A1**
			0,00
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**
			0,00
3. Cărți în edituri internaționale recunoscute Web of Science în calitate de editor			
Date identificare	**Numar autori**	**Numar efectiv**	**A3**
			0,00
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**
			0,00
5. Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor			
Date identificare	**Numar autori**	**Numar efectiv**	**A5**
			0,00
6. Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI			
Date identificare	**Numar autori**	**Numar efectiv**	**A6**
V. Tiron and G. Popa, "Control of the thermion	2	2	0,25
S. Condurache-Bota, C. Constantinescu, M. Pra	6	5,5	0,09
A. Demeter, A. Besleaga, V. Tiron, L. Sirghi, "Fa	4	4	0,13
7. Brevete de invenție internaționale acordate			
Date identificare	**Numar autori**	**Numar efectiv**	**A7**
			0,00
8. Brevete de invenție naționale acordate			
Date identificare	**Numar autori**	**Numar efectiv**	**A8**
"Nanostructured beryllium-based alloy" CHIRU	9	7	0,07
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**
			0,00
10. Director/ responsabil pentru proiecte de cercetare in valoare euro câștigate prin competiție națională sau internațională			
Date identificare	**Suma totala in Euro**		**A10**
PN-II-PT-PCCA- 2011-3.2-1340, no. 174/2012 „	508105		5,08
TOTAL			**5,62**

Note:

1. la fiecare item se vor adauga atatea linii cate sunt necesare
2. In categoriile capitole de cărți la Edituri internaționale recunoscute (2) și capitole de cărți în edituri naționale recunoscute (5) nu se includ capitolele publicate in volumele de proceedingsuri de la conferințe. Acestea se vor include in categoria (6) doar daca sunt publicate in volume indexate ISI.

12.12.2022

Autori "Titlu articol" Revista, vol.xx,anul, ppxx.	prim autor/ corespondent	numar autori	Numar efectiv	AIS	I	P
V. Tiron, C. Vitelaru, M. Solomon, F.M. Tufescu, G. Popa, "Transitory phenomena in pulsed reactive magnetron discharge", Journal of Optoelectronics and Advanced Materials 8(1) (2006) 66-70.	1	5	5,00	0,102	0,020	0,102
C. Vitelaru, V. Tiron, C. Andrei, S. Dobrea, G. Popa, "On the density of the argon metastable in a cylindrical magnetron discharge", Journal of Optoelectronics and Advanced Materials 10(8) (2008) 2003 – 2006.	0	5	5,00	0,102	0,020	0,000
V. Tiron, C. Andrei, A. V. Nastuta, G. B. Rusu, C. Vitelaru and G. Popa, "Carbon and Tungsten Sputtering in a Helium Magnetron Discharge", IEE Transaction on Plasma Science 37(8) (2009) 1581-1585.	1	6	5,50	0,492	0,089	0,492
V. Tiron, S. Dobrea, C. Costin and G. Popa, "On the carbon and tungsten sputtering rate in a magnetron discharge", Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 267(2) (2009) 434-437.	1	4	4,00	0,362	0,091	0,362
C. Costin, V. Tiron, J. Faustin, and G. Popa, "Fast Imaging Investigation on Pulsed Magnetron Discharge", IEEE Transactions on Plasma Science, 39(11) (2011) 2482 – 2483.	0	4	4,00	0,432	0,108	0,000
V. Tiron, M. Dobromir, V.Pohoata and G. Popa, "Ion energy distribution in thermionic vacuum arc", IEEE Transaction on Plasma Science 39(6) (2011) 1403-1407.	1	4	4,00	0,432	0,108	0,432
V. Tiron, L. Mihaescu, C.P. Lungu, G, Popa, "Strong double layer structure in thermionic vacuum arc", Romanian Journal of Physics 56 (2011) 41–46.	1	4	4,00	0,000	0,000	0,000
C. Vitelaru,V. Pohoata, C. Aniculaesei, V. Tiron and G. Popa, "The break-down of hyperfine structure coupling induced by the Zeeman effect on aluminum 2S1/2 - 2P1/2 transition, measured by tunable diode-laser induced fluorescence", Journal of Applied Physics 109 (2011) 084911.	0	5	5,00	0,834	0,167	0,000
I.-L. Velicu, M. Neagu, H.Chiriac, V. Tiron and M. Dobromir, "Structural and Magnetic Properties of FeCuNbSiB Thin Films Deposited by HiPIMS", IEEE Transactions on Magnetics. 4(48) (2012) 1336 – 1339.	0	5	5,00	0,368	0,074	0,000
V. Tiron, L. Sirghi, G. Popa, „Control of aluminum doping of ZnO:Al thin films obtained by high-power impulse magnetron sputtering", Thin Solid Films 520 4305–4309 (2012).	1	3	3,00	0,551	0,184	0,551
V. Tiron, T. Coman, L. Sirghi, G. Popa, "Atomic force microscopy investigation of piezoelectric response of ZnO thin films deposited by HIPIMS", Journal of Optoelectronics and Advanced Materials 15 (2013) 77-81.	1	4	4,00	0,111	0,028	0,111
A.P. Rambu. V. Tiron, V. Nica, N. Iftimie, "Functional properties of ZnO films prepared by thermal oxidation of metallic films", Journal of Applied Physics 113 (2013) 234506.	0	4	4,00	0,721	0,180	0,000
I.-L. Velicu, M. Kowalczyk, M. Neagu, V. Tiron, H. Chiriac, J. Ferec, "FINEMET-type thin films deposited by HiPIMS: Influence of growth and annealing conditions on the magnetic behaviour", Materials Science and Engineering B 178 (2013) 1329 – 1333.	0	6	5,50	0,463	0,084	0,000
S. Dobrea, I. Mihaila, V. Tiron, G. Popa, "Optical and mass spectrometry diagnosis of a CO2 microwave plasma discharge", Romanian Reports in Physics 66(41) (2014) 1147-1154.	0	4	4,00	0,209	0,052	0,000
M. Osiac, V. Tiron, G.E. Iacobescu, G. Popa, "A comparative study of Ge1Sb2Te4 films deposited by radiofrequency and pulsed direct current magnetron sputtering and high power impulse magnetron sputtering", Digest Journal of Nanomaterials and Biostructures 9(2) 451-457 (2014).	0	4	4,00	0,202	0,051	0,000

T. Coman, E.L. Ursu, V. Nica, V. Tiron, M. Olaru, C. Cotofana, M. Dobromir, A. Coroaba, O.-G. Dragos, N. Lupu, O.F. Caltun, C. Ursu, „Improving the uncommon (110) growing orientation of Al-doped ZnO thin films through sequential pulsed laser deposition", Thin Solid Films 571 (2014) 198–205.	0	12	8,50	0,455	0,054	0,000
L. Sirghi, D. Ciumac and V. Tiron, „Mechanical properties of atomic force microscopy probes with deposited thin films". Thin Solid Films 565 (2014) 267-270.	0	3	3,00	0,455	0,152	0,000
I.-L. Velicu, V. Tiron, G. Popa, "Dynamics of the fast - HiPIMS discharge during FINEMET – type films deposition", Surface & Coatings Technology, 250 (2014) 57-64.	1	3	3,00	0,515	0,172	0,515
I.-L. Velicu, V. Tiron, "On the transport phenomena in highly ionized pulsed plasma during FeCuNbSiB thin film deposition process", Digest Journal of Nanomaterials and Biostructures 9(4) (2014) 1513 – 1522.	1	2	2,00	0,202	0,101	0,202
V. Tiron, I-L. Velicu, F. Ghiorghiu and G. Popa, „The effect of the additional magnetic field and gas pressure on the sheath region of a high power impulse magnetron sputtering discharge", Romanian Reports in Physics 67 (2015) 1004-1017.	1	4	4,00	0,184	0,046	0,184
I.-L. Velicu, M. Neagu, V. Tiron, "Fe73.5Cu1Nb3Si15.5B7 Thin Films Deposited by HiPIMS: Magnetic and Magnetostrictive Behaviour", Journal of Superconductivity and Novel Magnetism 28 (2015) 1035.	0	3	3,00	0,182	0,061	0,000
L. Sirghi, V. Tiron , M. Dobromir, "Friction at single-asperity contacts between hydrogen-free diamond-like carbon thin film surfaces", Diamonds and related materials 52 (2015) 38–42.	0	3	3,00	0,482	0,161	0,000
O. Antonin, V. Tiron, C. Costin, G. Popa, T.M. Minea, "On the HiPIMS benefits of multi-pulse operating mode", Journal of Physics D: Applied Physics 48 (2015) 015202.	1	5	5,00	0,834	0,167	0,834
I-L Velicu, V. Tiron, M. Neagu, „Nanomechanical characterization of amorphous and nanocrystalline FeCuNbSiB thin films", Applied Surface Science 352 (2015) 5-9.	0	3	3,00	0,574	0,191	0,000
V. Tiron, L. Sirghi „Tuning the band gap and nitrogen content of ZnOxNy thin films", Surface & Coatings Technology, 282 (2015) 103-106.	1	2	2,00	0,526	0,263	0,526
V. Tiron, I.-L.Velicu, O Vasilovici, G Popa, "Optimization of deposition rate in HiPIMS by controlling the peak target current", Journal of Physics D: Applied Physics 48 (2015) 495204.	1	4	4,00	0,838	0,210	0,838
S. Condurache-Bota, V. Tiron, M. Praisler, "Highly transparent bismuth oxide thin films deposition: morphology - optical properties correlation studies", Journal of Optoelectronics and Advanced Materials 17 (2015) 1296 – 1301.	0	3	3,00	0,078	0,026	0,000
M. Osiac, V. Tiron, G.-E. Iacobescu, "The effect of nitrogen doping on the structure of Ge1Sb2Te4 film", Journal of Optoelectronics and Advanced Materials 17 (2015) 1471 – 1475.	0	3	3,00	0,078	0,026	0,000
D. Mardare, N. Cornei, C. Mita, D. Florea, A. Stancu, V. Tiron, A. Manole, C. Adomnitei, "Low Temperature TiO2 Based Gas Sensors for CO2", Ceramics International 42 (2016) 7353–7359.	0	8	6,50	0,459	0,071	0,000
V. Tiron, I.-L. Velicu, A. Demeter, M. Dobromir, F. Samoila, C. Ursu and L. Sirghi, "Reactive multi-pulse HiPIMS deposition of oxygen-deficient TiOx thin film", Thin Solid Films, 603 (2016) 255-26.	1	7	6,00	0,383	0,064	0,383
R. Danac, A. Carlescu, L. Leontie, S. Shova, V. Tiron, G. Rusu, F. Iacomi, S. Gurlui, O. Susu, G.I. Rusu, „Electric conduction mechanism of some heterocyclic compounds, 4,4'-bipyridine and indolizine derivatives in thin films", Thin Solid Films 612 (2016) 358-368.	0	10	7,50	0,383	0,051	0,000
I.-L. Velicu, V. Tiron, B.-G. Rusu, G. Popa, "Copper thin films deposited under different power delivery modes and magnetron configurations: A comparative study", Surface & Coatings Technology 327 (2017) 192-199.	1	4	4,00	0,517	0,129	0,517

A. Demeter, F. Samoila, V. Tiron, D. Stanescu, H. Magnan, M. Straticiuc, I. Burducea and L. Sirghi, “Visible-light photocatalytic activity of TiOxNy thin films obtained by reactive multi-pulse High Power Impulse Magnetron Sputtering”, Surface & Coatings Technology 324 (2017) 614–619.	0	8	6,50	0,517	0,080	0,000
V. Tiron, I.-L. Velicu, D. Stanescu, H. Magnan and L. Sirghi, “High Visible Light Photocatalytic Activity of Nitrogen-Doped ZnO Thin Films Deposited by HiPIMS”, Surface & Coatings Technology 324 (2017) 594–600.	1	5	5,00	0,517	0,103	0,517
I.-L. Velicu, V. Tiron, C. Porosnicu, I. Burducea, N. Lupu, G. Stoian, G. Popa, D. Munteanu, “Enhanced properties of tungsten thin films deposited with a novel HiPIMS approach”, Applied Surface Science 424 (2017) 397-406.	1	8	6,50	0,627	0,096	0,627
C. Tugui, A. Bele, V. Tiron, E. Hamciuc, C.D. Varganici and M. Cazacu, "Dielectric elastomers with voltage-switchable dual functionality built through chemical design", Journal of Materials Chemistry C 5 (2017) 824 – 834.	0	6	5,50	1,133	0,206	0,000
R. Mateus, A. Hakola, V. Tiron, C. Porosnicu, C.P. Lungu, E. Alves, “Study of deuterium retention in Be-W coatings with distinct roughness profiles”, Fusion Engineering and Design 124 (2017) 464-467.	0	6	5,50	0,281	0,051	0,000
V. Tiron, I.–L. Velicu, C. Porosnicu, I. Burducea, P. Dinca, P. Malinský, “Tungsten Nitride Coatings Obtained by HiPIMS as Plasma Facing Materials for Fusion Applications”, Applied Surface Science 416 (2017) 878–884.	1	6	5,50	0,627	0,114	0,627
P. Dinca, C. Porosnicu, B. Butoi, I. Jepu, V. Tiron, O. G. Pompilian, I. Burducea, C. P. Lungu, I.-L. Velicu, ”Beryllium-Tungsten Study on Mixed Layers obtained by m-HiPIMS / DCMS Techniques in a Deuterium and Nitrogen Reactive Gas Mixture”, Surface & Coatings Technology 321 (2017) 397-402.	0	9	7,00	0,517	0,074	0,000
A. Demeter, V. Tiron, N. Lupu, G. Stoian and L. Sirghi, “Plasma sputtering depositions with colloidal masks for fabrication of nanostructured surfaces with photocatalytic activity”, Nanotechnology 28 (2017) 255302.	0	5	5,00	0,791	0,158	0,000
M. Rudolph, A. Demeter, E. Foy, V. Tiron, L. Sirghi, T. Minea, B. Bouchet-Fabre, M.-C. Hugon, “Improving the crystallinity of Ta3N5 thin films by DC magnetron sputtering using an additional in-axis magnetic field on a balanced magnetron”, Thin Solid Films 636 (2017) 48–53.	0	8	6,50	0,356	0,055	0,000
C. Racles, M. Dascalu, A. Bele, V. Tiron, M. Asandulesa, C. Tugui, A. Vasiliu and M. Cazacu, All-silicone elastic composites with counter-intuitive piezoelectric response, designed for electromechanical applications, Journal of Materials Chemistry C 5 (2017) 6997 – 7010.	0	8	6,50	1,133	0,174	0,000
J. W. Coenen et al. “Plasma-wall interaction studies within the EUROfusion Consortium: progress on plasmafacing components development and qualification”, Nuclear Fusion 57(11) (2017) 116041.	0	168	53,25	0,836	0,016	0,000
M. Iacob, C. Tugui, V. Tiron, Vasile, A. Bele, V. Stelian, T. Vasiliu, M. Cazacu, A.-L. Vasiliu, C. Racles,"Iron oxide nanoparticles as dielectric and piezoelectric enhancers for silicone elastomers", Smart Materials and Structures 26 (2017) 105046.	0	9	7,00	0,772	0,110	0,000
N. Becherescu, I. Mihailescu, V. Tiron, C. Luculescu, “Preparation and characterization of ZnO thin films by PLD and HiPIMS”, UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, 79(2) (2017) 297-306	0	4	4,00	0,094	0,024	0,000
N. Becherescu, I. Mihailescu, V. Tiron, C. Luculescu, “Preparation and characterization of TiO2 thin films by PLD and HiPIMS”, UPB Scientific Bulletin, Series A: Applied Mathematics and Physics 79(3) (2017) 203-212.	0	4	4,00	0,094	0,024	0,000

V. Tiron, I.-L. Velicu, D. Cristea, N. Lupu, G. Stoian, D. Munteanu, „Influence of ion-to-neutral flux ratio on the mechanical and tribological properties of TiN coatings deposited by HiPIMS", Surface & Coatings Technology 352 (2018) 690-698.	1	6	5,50	0,511	0,093	0,511
A. Demeter, V. Tiron, L. Sirghi, "TiO2 2D nanopatterns obtained by high power impulse magnetron sputtering depositions with colloidal masks", Romanian Reports in Physics 70 (4) (2018).	0	3	3,00	0,296	0,099	0,000
V. Tiron, I.-L. Velicu, I. Mihăilă and G. Popa, "Deposition rate enhancement in HiPIMS through the control of magnetic field and pulsing configuration" Surface & Coatings Technology 337 (2018) 484–491.	1	4	4,00	0,511	0,128	0,511
L. Leontie, R. Danac, A. Carlescu C. Doroftei, G.G. Rusu, V. Tiron, S. Gurlui, O. Susu, „Electric and optical properties of some new functional lower-rim substituted calixarene derivatives in thin films", Applied Physics A 124(355) (2018) 1-12.	0	8	6,50	0,308	0,047	0,000
V. Tiron, I.-L. Velicu, I. Pana, D. Cristea, B.G. Rusu, P. Dinca, C. Porosnicu, E. Grigore, D. Munteanu, S. Tascu, "HiPIMS deposition of silicon nitride for solar cell application", Surface & Coatings Technology 344 (2018) 197–203.	1	10	7,50	0,511	0,068	0,511
D. Macovei, V. Tiron, C. Adomnitei, D. Luca, M. Dobromir, S. Antohe, D. Mardare, „On the hydrophilicity of Ni-doped TiO2 thin films. EXAFS studies", Thin Solid Films 657 (2018) 42 - 49.	0	7	6,00	0,324	0,054	0,000
V. Tiron, I.-L. Velicu, A. Nastuta, C.Costin, G. Popa, Z. Kechidi, C. Ionita, R. Schrittwieser, "Enhanced extraction efficiency of the sputtered material from a magnetically assisted high power impulse hollow cathode", Plasma Source Science and Technology 27 (2018) 085005.	1	8	6,50	0,804	0,124	0,804
I.-L. Velicu, G.-T. Ianoș, C. Porosnicu, I. Mihăilă, I, Burducea, A. Velea, D, Criste, D. Munteanu, V. Tiron, „Energy-Enhanced Deposition of Copper Thin Films by Bipolar High Power Impulse Magnetron Sputtering", Surface & Coatings Technology 259 (2019) 97–107.	1	9	7,00	0,542	0,077	0,542
P. Dinca, V. Tiron, I.-L. Velicu, C. Porosnicu, B. Butoi, A. Velea, E. Grigore, C. Costin, C.P. Lungu, "Negative ion-induced deuterium retention in mixed W-Al layers co-deposited in dual-HiPIMS", Surface & Coatings Technology 363 (2019) 273-281.	0	9	7,00	0,542	0,077	0,000
G.-O. Turcan -Trofin, M. Asandulesa, M. B.Porcarasu, C.-D. Varganici, V. Tiron, C. Racles, M. Cazacu, „Linear and cyclic siloxanes sulfur-bridged functionalized with polar groups by thiol-ene addition: synthesis, characterization and exploring some material behaviour", Journal of Molecular Liquids 282 (2019) 87-196.	0	7	6,00	0,620	0,103	0,000
V. Tiron, C. Porosnicu, P. Dinca, I.-L. Velicu, D. Cristea, D. Munteanu, Á. Révész, G. Stoian, C.P. Lungu. "Beryllium thin films deposited by thermionic vacuum arc for nuclear applications", Applied Surface Science 481 (2019) 327 – 336.	1	9	7,00	0,773	0,110	0,773
V. Tiron, E.-L. Ursu, D. Cristea, D. Munteanu, G. Bulai, A. Ceban, I.-L. Velicu, "Overcoming the insulating materials limitation in HiPIMS: ion-assisted deposition of DLC coatings using bipolar HiPIMS", Applied Surface Science 494 (2019) 871–879.	1	7	6,00	0,773	0,129	0,773
G.-O. Turcan-Trofin, M.-F. Zaltariov, M. Iacob, V. Tiron, F. Branza, C. Racles, M. Cazacu,"Copper complexes with spherical morphology generated in one step by amphiphilic ligands: in situ view of the self-assembling, characterization, catalytic activity", Colloids and Surfaces A: Physicochemical and Engineering Aspects 580 (2019) 123756.	0	7	6,00	0,504	0,084	0,000
C. Tugui, V. Tiron, M. Dascalu, L. Sacarescu, M. Cazacu, „From an ultra-high molecular weight polydimethylsiloxane to the super-soft elastomer", European Polymer Journal 120 (2019) 109243.	0	5	5,00	0,665	0,133	0,000

A. Rambu, A. Apetrei, F. Doutre, H. Tronche, V. Tiron, M. Micheli and S. Tascu „Lithium niobate waveguides with high-index contrast and preserved nonlinearity fabricated by High Vacuum Vapor-phase Proton Exchange", Photonics Research 8 (2020) 8-16.	0	7	6,00	1,575	0,263	0,000
V. Tiron, I.-L. Velicu, "Understanding the ion acceleration mechanism in bipolar HiPIMS: the role of the double layer structure developed in the after-glow plasma", Plasma Sources Science and Technology 29 (2020) 015003.	1	2	2,00	0,726	0,363	0,726
F. Gheorghiu, R. Stanculescu, L. Curecheriu, E. Brunengo, P. Stagnaro, V. Tiron, P. Postolache, M.T. Buscaglia, L. Mitoseriu, "PVDF-ferrite composites with dual magneto-piezoelectric response for flexible electronics applications: synthesis and functional properties", Journal of Materials Science 55 (2020) 3926-3939	0	9	7,00	0,595	0,085	0,000
K. Bujak, I. Sava, I. Stoica, V. Tiron, I. Topala, R. Węgłowski, E. Schab-Balcerzak, J. Konieczkowska "Photoinduced properties of "T-type" polyimides with azobenzene or azopyridine moieties", European Polymer Journal 126 (2020) 109563.	0	8	6,50	0,665	0,102	0,000
S. Shova, A.Vlad, M. Damoc, V. Tiron, M. Dascalu, G. Novitchi, C. Ursu, M. Cazacu, "Nanoscale coordination polymer of dimanganese(II) as infinite, flexible nano-sheets with photo-switchable morphology", European Journal of Inorganic Chemistry (2020) 2043-2054.	0	8	6,50	0,447	0,069	0,000
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TOTAL	**33**				**8,805**	**17,782**

12.12.2022

Prag minim I	**4,00**	**DA**	
Prag minim P	**4,00**		**DA**

Autori "Titlu articol" Revista, vol.xx,anul, ppxx.	n (numar autori)	numar efectiv	numar citari (fara autocitari)	c/n_ef
V. Tiron, C. Vitelaru, M. Solomon, F.M. Tufescu, G. Popa, “Transitory phenomena in pulsed reactive magnetron	5	5,00	1	0,20
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K. Bujak, I. Sava, I. Stoica, V. Tiron, I. Topala, R. Węgłowski, E. Schab-Balcerzak, J. Konieczkowska “Photoinduced properties of “T-type” polyimides with azobenzene or azopyridine moieties”, European Polymer Journal 126 (2020) 109563.	8	6,50	7	1,08

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TOTAL				**127,94**

Note:

Coloanele A-F pot fi prezentate și comasat.
Numărul efectiv de autori este calculat conform formulelor din Anexa nr. 3, OM 6129/2016.
n, dacă n ≤ 5; (n + 5)/2, dacă 5 < n≤ 15; (n + 15)/3, dacă 15 < n ≤ 75 și (n + 45)/4, dacă n> 75.
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