ANEXA 1

FIŞA DE AUTOEVALUARE

DESCRIPTORI	PUNCTAJ
1. Articole ştiinţifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact	**(60 puncte × factor de impact + 25)/număr autori**
G.G.Rusu, A.Airinei, V.Hamciuc, A.P.Rambu, I. Caplanus, G.I.Rusu, On the Mechanism of Electrical Conduction in Thin Films of Some PolysulfonePoly(alkyleneoxide)Poly(dimethylsiloxane) Block Copolymers, Superlattices and Microstructures 65 (2014) 91–105 (F.I=1,564)	(60 x 1,564+25)/6=19,806
A.P.Rambu, N.Iftimie, Synthesis and characterization of thermally oxidized ZnO films, Bulletin of Materials Science 37(3) (2014) 441-448 (F.I=0,584)	(60 x 0,584+25)/2=30,020
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 (5pp) (F.I=2,210)	(60 x 2,210+25)/4=39,400
A.P.Rambu, L.Ursu, N.Iftimie, V.Nica, M.Dobromir, F.Iacomi, Study on Ni-doped ZnO films as gas sensors, Applied Surface Science, 280 (2013) 598–604 (F.I=2,112)	(60 x 2,112+25)/6=25,286
A. P. Rambu, V. Nica; M. Dobromir, Influence of Fe-doping on the optical and electrical properties of ZnO films, Superlattices and Microstructures, 59 (2013) 87–96 (F.I=1,564)	(60 x 1,564+25)/3=39,613
A.P.Rambu, D.Sirbu, A.V.Sandu, G.Prodan, V.Nica, Influence of In doping on the electro-optical properties of ZnO films, Bulletin of Materials Science, 36(2) 2013 231–237 (F.I=0,584)	(60 x 0,584+25)/5=12,00
A.P. Rambu, C.Doroftei, L.Ursu, F.Iacomi, Structure and gas sensing properties of nanocrystalline Fe-doped ZnO films prepared by spin coating method, Journal of Materials Science, 48(12) (2013) 4305-4312 (F.I=2,163)	(60 x 2,163+25)/4=38,695
A. P. Rambu, D. Sirbu, M. Dobromir, G. G. Rusu, Electronic transport and optical properties of indium oxide thin films prepared by thermal oxidation, Solid State Sciences, 14(10) (2012) 1543-1549 (F.I=1,671)	(60 x 1,671+25)/4=31,315
A.P.Rambu, N.Iftimie, V.Nica, Effect of In incorporation on the structural, electrical and gas sensing properties of ZnO Films, Journal of Materials Science, 47(19) (2012) 6979-6985 (F.I=2,163)	(60 x 2,163+25)/3=51,593
A.P.Rambu, The influence of oxidation time on the properties of oxidized zinc films, Superlattices and Microstructures, 52 (2012) 577-584 (F.I=1,564)	(60 x 1,564+25)/1=118,840
M. Irimia, F. Iacomi, A.P. Rambu, A.V. Sandu, C. Doroftei, I. Sandu, Influence of substrate temperature on the properties of Ga doped ZnO thin films, Revista de Chimie, 63(8) (2012) 803-808 (F.I=0,538)	(60 x 0,538+25)/6=9,546
Mardare Diana, Yildiz Abdullah, Apetrei Radu, Rambu Petronela, Florea Daniel, Gheorghe Nicoleta Georgiana, Macovei Dan, Teodorescu Cristian Mihail, Luca Dumitru, The Meyer-Neldel rule in amorphous	(60 x 1,713+25)/9=14,197

DESCRIPTORI	PUNCTAJ
TiO2 films with different Fe content, Journal of Materials Research, 27 (17) (2012) 2271-2277 (F.I=1,713)	
Liviu Leontie, Ramona Danac, Mihaela Girtan, Aurelian Carlescu, Alicia Petronela Rambu, Gheorghe I. Rusu, Electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films, Materials Chemistry and Physics 135 (2012) 123-129 (F.I=2,072)	(60 x 2,072+25)/6=24,886
A.P.Rambu, N.Iftimie, G.I.Rusu, Influence of the substrate nature on the properties of ZnO thin films, Materials Science and Engineering B, 177 (2012) 157–163 (F.I=1,846)	(60 x 1,846+25)/3=45,253
S.Condurache-Bota, R. Drasovean, N. Tigau, A.P. Râmbu, The influence of substrate temperature on the structure and on the optical reflection spectrum of bismuth thin films, Revue Roumaine de Chimie, 56(12) (2011) 1101-1106 (F.I=0,418)	(60 x 0,418+25)/4=12,520
A.P. Rambu, D. Sirbu, N. Iftimie, G.I. Rusu, Polycrystalline ZnO–In_2O_3 thin films as gas sensors, Thin Solid Films, 520 (2011) 1303–1307 (F.I=1,890)	(60 x 1,890+25)/4=34,600
S. Condurache-Bota, N. Tigau, A. P. Rambu, G. G. Rusu, G. I. Rusu, Optical and Electrical Properties of Thermally-Oxidized Bismuth Thin Films, Applied Surface Science, 257(24) (2011) 10545 – 10550 (F.I=2,103)	(60 x 2,103+25)/5=30,236
A.Yildiz, B. Kayhan, B. Yurduguzel, A. P. Rambu, F. Iacomi, S. Simon, Ni doping effect on electrical conductivity of ZnO nanocrystalline thin films, Journal of Material Science: Materials in Electronics 22 (9) (2011) 1473 – 1478 (F.I=1,076)	(60 x 1,076+25)/6=14,926
A. Amironesei, A. Airinei, D. Timpu, V. Cozan, A.P. Rambu, M. Irimia, F. Iacomi, G.I. Rusu, Electrical and optical properties of some polyazomethine thin films prepared by a spin-coating method, Journal of Optoelectronics and Advanced Materials, 13(7-8) (2011) 802 – 806 (F.I=0,457)	(60 x 0,457+25)/8=6,552
D.Sirbu, A.P.Rambu, G.I.Rusu, Microstructure, wettability and optical characteristics of ZnO/In_2O_3 thin films, Materials Science and Engeneering B, 176 (2011) 266 – 270 (F.I=1,518)	(60 x 1,518+25)/3=38,693
M. Rusu, A. Airinei, G.G. Rusu, L. Marin, V. Cozan, A.P.Rambu, I. Caplanus, G.I. Rusu, On the Electrical and Optical Properties of Some Poly(Azomethine Sulfone)s in Thin Films, Journal of Macromolecular Science Part B-Physics, 50(7) (2011) 1285 – 1297 (F.I=0,739)	(60 x 0,739+25)/8=8,667
I.I. Rusu, M. Smirnov, G.G. Rusu, A.P.Rambu, G.I.Rusu, On the electronic transport mechanism in magnetron-sputtered polycrystalline ZnO thin films, International Journal of Modern Physics B, 24(31) (2010) 6079 - 6090 (F.I=0,402)	(60 x 0,402+25)/5=9,824
A. P. Rambu, D. Sirbu, G. I. Rusu, Influence of the oxidation conditions on the structural characteristics and optical properties of zinc oxide thin films, Journal of Vacuum Science and Technology A, 28 (2010)	(60 x 1,286+25)/3=34,053

DESCRIPTORI	PUNCTAJ
1344 – 1348 (F.I=1,286)	
G.G. Rusu, A.P. Rambu, V.E. Buta M.Dobromir, D.Luca, M.Rusu, Structural and optical characterization of Al-doped ZnO films prepared by thermal oxidation of evaporated Zn/Al multilayered films, Material Chemistry and Physics, 123 (2010) 314 – 321 (F.I=2,353)	(60 x 2,353+25)/6=27,696
G. G. Rusu, P. Gorley, C. Baban, A. P. Rambu, M. Rusu, Preparation and characterization of Mn-doped ZnO thin films, Journal of Optoelectronics and Advanced Materials, 12(4) (2010) 895 – 899 (F.I=0,412)	(60 x 0,412+25)/5=9,944
A.P. Rambu, G.I. Rusu, Effect of Preparation Conditions on the Microstructural Characteristics and Optical Properties of Oxidized Zinc Films, Superlattices and Microstructures 47 (2010) 300 – 307 (F.I=1,091)	(60 x 1,091+25)/2=45,230
G.I. Rusu, A. Airinei, V. Hamciuc, G.G. Rusu, P.Rambu, M. Diciu, P. Garoi, M. Rusu, Electronic and Optical Properties of Some Polysulfone-Polydimethylsiloxane Copolymers in Thin Films, Journal of Macromolecular Science Part B-Physics, 48(2) (2009) 238 - 253 (F.I=0,716)	(60 x 0,716+25)/8=8,495
V.Ciupina, A.Petcu, P.Rambu, C.Baban, L.C.Petcu, G.Prodan, G.I.Rusu, V.Pomazan, Study of structure and optical properties of CdSe thin films, Journal of Optoelectronics and Advanced Materials 10(11), (2008), 2993 – 2995 (F.I=0,577)	(60 x 0,577+25)/8=7,452
V.Ciupina, C.Baban, Adina Petcu, L. Petcu, Petronela Rambu, G. Prodan, G. I. Rusu, On the Optical Properties of CdS Thin Films, Journal of Optoelectronics and Advanced Materials, 10(3), (2008), 665 - 667 (F.I=0,577)	(60 x 0,577+25)/7=8,517
G.G.Rusu, A.P Rambu, M.Rusu, On the optical properties of heat-treated multilayered Zn/In thin films, Journal of Optoelectronics and Advanced Materials, 10(2), (2008), 339 - 343 (F.I=0,577)	(60 x 0,577+25)/3=19,873
Total pct 1	**817,728**
2. Articole ştiinţifice publicate *in extenso* în reviste indexate *Web of Science* fără factor de impact	**20 puncte/număr autori**
M. Irimia, A.P. Rambu, G. Zodieru, I.I. .Leonte, M. Purica, F. Iacomi, Ga doped ZnO thin films deposited by RF magnetron sputtering Preparation and properties, Proceedings of the International Semiconductor Conference, CAS, 2 (2011) 287-290, article number 6095794	20/6=3,333
Total pct 2	**3,333**
3. Articole ştiinţifice publicate *in extenso* în reviste indexate BDI	**15 puncte / număr autori**
-	**-**
Total pct 3	**0**
4. Articole ştiinţifice publicate *in extenso* în volumele conferinţelor	**indexate ISI: 30 puncte / număr autori**
	indexate în BDI: 15 puncte / număr autori

DESCRIPTORI	PUNCTAJ
	alte categorii: 5 puncte / număr autori
-	**-**
Total pct 4	**0**
5. Cărţi ştiinţifice publicate (doar prima ediţie)	**edituri academice internaţionale: 100 puncte la 100 pagini / număr autori**
	alte edituri internaţionale: 70 puncte la 100 pagini / număr autori
	edituri academice naţionale: 50 puncte la 100 pagini / număr autori
	alte edituri naţionale: 20 puncte la 100 pagini / număr autori
-	**-**
Total pct 5	**0**
6. Cărţi ştiinţifice traduse şi publicate în edituri din străinătate	**100 puncte la 100 pagini / număr autori**
-	**-**
Total pct 6	**0**
7. Coordonarea şi editarea de volume, traduceri şi antologii	**edituri academice internaţionale: 60 puncte / număr autori**
	alte edituri internaţionale: 40 puncte / număr autori
	edituri academice naţionale: 30 puncte / număr autori
	alte edituri naţionale: 15 puncte / număr autori
-	**-**
Total pct 7	**0**
8. Articole publicate în dicţionare şi enciclopedii	**edituri academice internaţionale: 30 puncte / număr autori**
	alte edituri internaţionale: 20 puncte / număr autori
	edituri academice naţionale: 15 puncte / număr autori
	alte edituri naţionale: 5 puncte / număr autori
-	**-**
Total pct 8	**0**
9. Contracte de cercetare ştiinţifică în instituţii academice (universităţi, institute ale Academiei Române, institute naţionale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	**contracte internaţionale – director: 100 puncte pentru fiecare 100.000 Euro**
	contracte internaţionale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare
	contracte naţionale – director: 50 puncte pentru fiecare 500.000 lei
Proiect naţional PN II, tip Tineri Doctoranzi, Nr. 567/2007, cu titlul ”Studiul Proprietăţilor Electrice şi Optice ale unor Semiconductori Oxidici Conductori şi Transparenţi”, perioada 2007 – 2009, buget total 40.000 lei	(40.000x50)500.000=4
	contracte naţionale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare

DESCRIPTORI	PUNCTAJ
Proiect tip CEEX nr.89/2006, cu titlul ”Prepararea şi caracterizarea unor straturi subţiri semiconductoare nanostructurate utilizate la confecţionarea modulelor fotovoltaice” perioada 2005 – 2008, director proiect: prof.dr. G.I.Rusu, buget total 500.000 lei; 41 membri	(500000x50)/(500000x41)=1,219
Proiect tip Capacităţi-Modulul III-cooperare bilaterală, nr. 76CB/30.07.2008 – Straturi subţiri din oxizi dopaţi-materiale avansate pentru dispozitive optoelectronice şi spintronice, perioada 2008 – 2009, director proiect: conf.dr. G.G.Rusu, buget total 58.570 lei; 5 membri	(58.570x50)/(500.000x5)=1,171
Proiect POSDRU/89/1.5/S/49944 - Procesarea şi caracterizarea structurală şi funcţională a unor straturi subţiri şi structuri multistrat pentru aplicaţii în electronica transaprentă şi optoelectronică (perioada 2010-2013, manager proiect: prof.dr. Dumitru Luca) Valoarea proiectului: 20 941 500 lei 80 membri ai grupului tinta	(20941500x50)/(500000x80)=26,177
Proiect tip Capacităţi-Modulul III-cooperare bilaterală, nr. 714/2013, cu titlul “Thin films and nanostructures for advanced applications in optoelectronics, spintronics and sensors”, perioada 2013-2014, director proiect: prof.dr. Felicia Iacomi, buget total 36.000 lei; 10 membri	(36000x50)/(500000x10)=0,360
Total pct 9	**32,927 puncte**
10. Contracte de cercetare în mediul de afaceri şi sectorul public	**organizaţii internaţionale: 100 puncte pentru fiecare 100.000 Euro**
	firme multinaţionale: 100 puncte pentru fiecare 100.000 Euro
	firme naţionale: 50 puncte pentru fiecare 500.000 Euro
	organizaţii administrative naţionale: 40 puncte pentru fiecare 500.000 Euro
	alte organizaţii publice de nivel naţional: 30 puncte pentru fiecare 500.000 Euro
	-
Total pct 10	**0**
11. Brevete	**internaţionale: 100 puncte / număr de autori**
	naţionale: 30 puncte / număr autori
	-
Total pct 11	**0**
12. Citări şi recenzii ale lucrărilor ştiinţifice	**reviste de specialitate din străinătate: (10 + 20 × factor de impact) / număr autori, pentru fiecare citare**
Lucrarea: A.P.Rambu, L.Ursu, N.Iftimie, V.Nica, M.Dobromir, F.Iacomi, Study on Ni-doped ZnO films as gas sensors, Applied Surface Science, 280 (2013) 598–604 **Citata de:**	
Y.C. Liang, W.K. Liao, X.S. Deng, Synthesis and substantially enhanced gas sensing sensitivity of homogeneously nanoscale Pd- and Au-particle decorated ZnO nanostructures, Journal of Alloys and Compounds, 599(2014) 87-92, (F.I=2,390)	(10+20 x 2,390)/6=9,633
K.G. Saw, S.S. Tneh, G.L. Tan, F.K. Yam, S.S. Ng,	(10+20 x 2,373)/6=9,576

DESCRIPTORI	PUNCTAJ
Z. Hassan, Ohmic-Rectifying Conversion of Ni Contacts on ZnO and the Possible Determination of ZnO Thin Film Surface Polarity, PLOS ONE, 9 (1) (2014) Article Number: e86544, (F.I=2,373)	
P. Prepelita, V. Craciun, G. Sbarcea, F. Garoi, Relevance of annealing on the stoichiometry and morphology of transparent thin films, Applied Surface Science, 306 (2014) 47-51 (F.I=2,112)	(10+20 x 2,112)/6=8,706
G.K. Mani, J.B.B. Rayappan, Selective detection of ammonia using spray pyrolysis deposited pure and nickel doped ZnO thin films, Applied Surface Science 311 (2014) 405-412 (F.I=2,112)	(10+20 x 2,112)/6=8,706
Total	**36,621**
Lucrarea: A.P. Rambu, C.Doroftei, L.Ursu, F.Iacomi, Structure and gas sensing properties of nanocrystalline Fe-doped ZnO films prepared by spin coating method, Journal of Materials Science, 48(12) (2013) 4305-4312 **Citata de:**	
K.K. Verma, R.K. Sinha, P.P Sahay, Structural, optical and ethanol gas-sensing properties of zinc oxide thin film prepared by spray pyrolysis technique using ultrasonic nebulizer, Indian Journal of Pure and Applied Physics, 51(11) (2013) 765-768 (F.I= 0,854)	(10+20 x 0,854)/4=6,770
C.S.Prajapati, A.Kushwaha, P.P.Sahay, Experimental investigation of spray-deposited Fe-Doped ZnO nanoparticle thin films: Structural, microstructural, and optical properties, Journal of Thermal Spray Technology, 22(7) (2013) 230-1241 (F.I=1,481)	(10+20 x 1,481)/4=9,905
A.Chelouche, D.Djouadi, A.Aksas, Study of structural and optical properties of iron doped ZnO thin films prepared by sol-gel, European Physical Journal-Applied Physics, 64(1) (2013) Article Number: 10304, (F.I=0,71)	(10+20 x 0,71)/4=6,05
Total	**22,725**
Lucrarea: A.P. Rambu, D. Sirbu, A.V. Sandu, G.Prodan, V. Nica, Influence of In doping on electro-optical properties of ZnO films, Bulletin of Materials Science**,** 36(2) (2013) 231-237 **Citata de:**	
Z. Wan, W.-S. Kwack, W.-J. Lee, S.-Il Jang, Hye-Ri Kim, J.-W. Kim, K.-W. Jung, W.-J. Min, K.-S. Yu, S.-H. Park, E.-Y. Yun, J.-H. Kim, S.-H. Kwon, Electrical and Optical Properties of Ti doped ZnO Films,Grown on Glass Substrate by Atomic Layer Deposition, Materials Research Bulletin, 57(2014) 23-28 (F.I=1,913)	(10+20 x 1,913)/5=9,652
Total	**9,652**

DESCRIPTORI	PUNCTAJ
Lucrarea: A.P. Rambu, V. Nica, M. Dobromir, Influence of Fe-doping on the optical and electrical properties of ZnO films, Superlattices and Microstructures, 59 (2013) 87-96 **Citata de:**	
A. Srivastava, N. Kumar, S. Khare, Enhancement in UV emission and band gap by Fe doping in ZnO thin films, Opto-electronics Review, 22(1) (2014) 68-76 (F.I=0.923)	(10+20 x0,923)/3=9,486
Total	**9,486**
Lucrarea: Effect of In incorporation on the structural, electrical and gas sensing properties of ZnO Films, A.P.Rambu, N.Iftimie, V.Nica, Journal of Materials Science, 47(19) (2012) 6979-6985 **Citata de:**	
X. Fu, J.Liu, T.Han, X. Zhang, F. Meng, J. Liu, A three-dimensional hierarchical CdO nanostructure: Preparation and its improved gas-diffusing performance in gas sensor, Sensors and Actuators, B: Chemical 184 (2013)260-267 (F.I=3,535)	(10+20 x 3,535)/3=26,900
C.-S. Lee, I.-D. Kim, J. H. Lee, Selective and sensitive detection of trimethylamine using ZnO-In_2O_3 composite nanofibers, Sensors and Actuators, B: Chemical, 181 (2013) 463-470 (F.I=3,535)	(10+20 x 3,535)/3=26,900
X. Shen, J. Sun, G. Zhu, Z. Ji, Z. Chen, N.Li, Morphological syntheses of ZnO nanostructures under microwave irradiation, Journal of Materials Science, 48(6) (2013) 2358-2364 (F.I=2,163)	(10+20 x 2,163)/3=17,753
Y.-H. Choi, D.-H. Kim, S.-H. Hong, K.S. Hong, H_2 and C_2H_5OH sensing characteristics of mesoporous p-type CuO films prepared via a novel precursor-based ink solution route, Sensors and Actuators, B: Chemical, 178 (2013)395-403 (F.I=3,535)	(10+20 x 3,535)/3=26,900
M.Thambidurai, J.Y.Kim, C.-M. Kang, N. Muthukumarasamy, H.-J. Song, J. Song, Y.Ko, D. Velauthapillai, C.Lee, Enhanced photovoltaic performance of inverted organic solar cells with In-doped ZnO as an electron extraction layer, Renewable Energy, 66 (2014) 433-442 (F.I=2,989)	(10+20 x 2,989)/3=23,260
Total	**121,713**

DESCRIPTORI	PUNCTAJ
Lucrarea Electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films, L. Leontie, R.Danac, M.Girtan, A.Carlescu, A.P. Rambu, G.I. Rusu, Materials Chemistry and Physics, 135(1) (2012) 123-129 **Citata de:**	
Palai, A.K., Lee, J., Jea, M., Na, H., Shin, T.J., Jang, S., Park, S.-U., Pyo, S. Symmetrically functionalized diketopyrrolopyrrole with alkylated thiophene moiety: From synthesis to electronic devices applications, Journal of Materials Science, 49 (12)(2014) 4215-4224 (F.I=2.163)	(10+20 x 2,163)/6=8,876
Total	**8,876**
Lucrarea Influence of the substrate nature on the properties of ZnO thin films, A.P.Rambu, N.Iftimie, G.I.Rusu, Materials Science and Engineering B, 177 (2012) 157–163 **Citata de:**	
K. Vijayalakshmi, K. Karthick, P. Dhivya, M. Sridharan, Low power deposition of high quality hexagonal ZnO film grown on Al $_2O_3$ (0001) sapphire by dc sputtering, Ceramics International 39(5) (2013) 5681-5687 (F.I=1,789)	(10+20 x 1,789)/3=15,260
R.S. Gaikwad, G.R. Patil, B.N. Pawar, R.S. Mane, S.-H. Han, Liquefied petroleum gas sensing properties of sprayed nanocrystalline zinc oxide thin films, Sensors and Actuators, A: Physical, 189(2013)339-343 (F.I=1,841)	(10+20 x 1,841)/3=15,606
P. Prepelita, V. Craciun, G. Sbarcea, F Garoi, Relevance of annealing on the stoichiometry and morphology of transparent thin films Applied Surface Science 306 (2014) 47-51 (F.I=2,112)	(10+20 x 2,112)/3=17,413
Total	**48,279**
Lucrarea Polycrystalline ZnO–In_2O_3 thin films as gas sensors, A.P. Rambu, D. Sirbu, N. Iftimie, G.I. Rusu, Thin Solid Films, 520 (2011) 1303–1307 **Citata de:**	
Y.-J. Lee, J.-H. Kim, J.Kang, Characteristics of Y_2O_3-doped indium zinc oxide films grown by radio frequency magnetron co-sputtering system, Thin Solid Films, 534 (2013) 599-602 (F.I=1,604)	(10+20 x 1,604)/4=10,520
A Viswanath, N.Nirmmala Devi, B.G. Jeyaprakash, R. Chandiramouli, Preparation and characterization of highly conducting and optically transparent fluorine doped CdO thin films, Journal of Applied Sciences, 12(16) (2012) 1630-1635 (F.I=0)	(10+20 x 0)/4=2,5
Total	**13,02**
Lucrarea: S. Condurache-Bota, N. Tigau, A. P. Rambu, G. G. Rusu, G. I. Rusu, Optical and Electrical Properties of Thermally-Oxidized Bismuth Thin Films, Applied Surface Science, 257(24) (2011) 10545 – 10550	

DESCRIPTORI	PUNCTAJ
Citata de:	
Y. Wang, J. Zhao, Y. Zhu, B.Zhou, X.Zhao, Z.Wang, Controlled fabrication and optical properties of 3D hierarchical α-Bi_2O_3 siamesed microflowers, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 434 (2013) 296-302 (F.I=2,108)	(10+20 x 2,108)/5=10,432
H. Fitouri, R. Boussaha, A. Rebey, B. El Jani, Oxidation of bismuth nanodroplets deposit on GaAs substrate, Applied Physics A: Materials Science and Processing, 112(3) (2013) 701-710 (F.I=1,545)	(10+20 x 1,545)/5=8,180
D.Z. Austin, D.Allman, D. Price, S. Hose, M.Saly, J.F.Conley Jr., Atomic layer deposition of bismuth oxide using $Bi(OCMe_2{}^{i}Pr)_3$ and H_2O, Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 32(1) (2014) article number 01A113 (F.I=1,432)	(10+20 x 1,432)/5=7,680
J. Morasch, S. Li, J. Brötz, W. Jaegermann, A. Klein, Reactively magnetron sputtered Bi_2O_3 thin films: Analysis of structure, optoelectronic, interface, and photovoltaic properties, Physica Status Solidi (A) Applications and Materials Science, 211(1) (2014) 93-100 (F.I=1,432)	(10+20 x 1.469)/5=7,876
Y. Wang, J. Zhao, B. Zhou, X. Zhao, Z. Wang, Y. Zhu, Three-dimensional hierarchical flowerlike microstructures of α-Bi_2O_3 constructed of decahedrons and rods, Journal of Alloys and Compounds, 592 (2014) 296-300 (F.I=2,390)	(10+20 x 2.390)/5=11,560
Z. Xiao, J. Zhong, J. Li, S.Huang, J.Zeng, M. Li, G.Yong, Enhanced photocatalytic activity of y and pd-co-doped bi^2o^3 prepared by parallel flow co-precipitation method, Journal of Advanced Oxidation Technologies, 17(1) (2014) 139-144 (F.I=0,95)	(10+20 x 0.95)/5=5,800
E.T. Salim, Y. Al-Douri, M.S. Al Wazny, M.A.Fakhri, Optical properties of Cauliflower-like Bi_2O_3 nanostructures by reactive pulsed laser deposition (PLD) technique, Solar Energy, 107 (2014) 523-529 (F.I=2,952)	(10+20 x 2,952)/5=13,808
Total	**65,336**
Lucrarea Ni doping effect on electrical conductivity of ZnO nanocrystalline thin films, A.Yildiz, B. Kayhan, B. Yurduguzel, A. P. Rambu, F. Iacomi, S. Simon, Journal of Material Science: Materials in Electronics 22 (9) (2011) 1473 – 1478 **Citata de:**	
S Mondal, P Mitra, Preparation of Ni doped ZnO thin films by SILAR and their characterization, Indian Journal of Physics, 87(2) (2013) 125-131 (F.I=1,785)	(10+20 x 1,785)/6=7,616
A. Yildiz, T. Serin, E. Öztürk, N. Serin, Barrier-controlled electron transport in Sn-doped ZnO polycrystalline thin films, Thin Solid Films, 522 (2012) 90-94 (F.I=1,604)	(10+20 x 1,604)/6=7,013
A. Yildiz, F. Iacomi, On the mechanism of electrical conduction in cobalt-doped zinc oxide nanocrystalline	(10+20 x 2,087)/6=8,623

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thin films, Journal of the Physical Society of Japan, 81(5) (2012) Article number 054602 (F.I=2,087)	
A. Yildiz, B. Yurduguzel, B. Kayhan, G. Calin, M. Dobromir, F. Iacomi, Electrical conduction properties of Co-doped ZnO nanocrystalline thin films, Journal of Materials Science: Materials in Electronics, 23(2) (2012) 425-430 (F.I=1,486)	(10+20 x 1,486)/6=6,620
T. Serin, A. Yildiz, S. Uzun, E. Çam, N. Serin, Electrical conduction properties of In-doped ZnO thin films, Physica Scripta, 84(6) (2011) Article number 065703 (F.I=1,204)	(10+20 x 1,204)/6=5,680
I.Muniyandi, G.K.Mani, P.Shankar, J.B.B Rayappan, Effect of nickel doping on structural, optical, electrical and ethanol sensing properties of spray deposited nanostructured ZnO thin films, Ceramics International, 40 (6) (2014)7993-8001 (F.I=1,789)	(10+20 x 1,789)/6=7,630
Total	**43,182**
Lucrarea Microstructure, wettability and optical characteristics of ZnO/In_2O_3 thin films, D.Sirbu, A.P.Rambu, G.I.Rusu, Materials Science and Engeneering B, 176 (2011) 266 – 270 **Citata de:**	
M.T.Z. Myint, N.S. Kumar, G.L.Hornyak, J.Dutta, Hydrophobic/hydrophilic switching on zinc oxide micro-textured surface, Applied Surface Science, 264(2013) 344-348 (F.I=2,112)	(10+20 x 2,112)/3=17,413
T. Sun, L.-L. Liu, S.-Y. Xu, L.-L. Wang, W. Li, H. Hao, Hydrothermal synthesis of high refractive index thin films from chromium slag, Micro and Nano Letters, 8(9) (2013) 487-490 (F.I=0,845)	(10+20 x 0,845)/3=8,966
Total	**26,379**
Lucrarea A.P. Rambu, D. Sirbu, M. Dobromir, G. G. Rusu, Electronic transport and optical properties of indium oxide thin films prepared by thermal oxidation, Solid State Sciences, 14(10) (2012) 1543-1549 **Citata de**	
T. Georgakopoulos, M.V. Sofianou, K.Pomoni, C Trapalis, Journal of Alloys and Compounds, 586 (2014) 52-58 (F.I=2,390)	(10+20 x 2,390)/4=14,450
Total	**14,450**
Lucrarea Influence of the oxidation conditions on the structural characteristics and optical properties of zinc oxide thin films, A. P. Rambu, D. Sirbu, G. I. Rusu, Journal of Vacuum Science and Technology A, 28 (2010) 1344 – 1348 **Citata de:**	
Y.L. Lee, S.F Chen, C.L. Ho, M.C. Wu, Effects of oxygen plasma post-treatment on Ga-doped ZnO films grown by thermal-mode ALD, ECS Journal of Solid State Science and Technology, 2(7) (2013) 316- 320	(10+20 x 0)/3=3,333

DESCRIPTORI	PUNCTAJ
Y.L. Lee, J.-H. Chuang, T.H. Huang, C.-L. Ho, M.C. Wu, Effects of O_2 plasma post-treatment on ZnO: Ga thin films grown by H_2O-thermal ALD Proceedings of SPIE - The International Society for Optical Engineering, 8626 (2013) Article number 86261K (F.I=0)	(10+20 x 0)/3=3,333
H.-H. Park, X. Zhang, K.W. Lee, K.H.Kim, S.H. Jung, D.S. Park, Y.S. Choi, H.-B. Shin, H.K Sung, K.H. Park, H.K. Kang, H.-H Park, C.K. Ko, Position-controlled hydrothermal growth of ZnO nanorods on arbitrary substrates with a patterned seed layer via ultraviolet-assisted nanoimprint lithography, CrystEngComm, 15(17) (2013) 3463-3469 (F.I=3,879)	(10+20 x 3,879)/3=29,193
C.-H. Lee, J.H. Han, S.C. Schneider, F. Josse, Suspended and localized single nanostructure growth across a nanogap by an electric field Nanotechnology, 22(40) (2011) Article number 405301 (F.I= 3,979)	(10+20 x 3,979)/3=29,860
J.H. Han, N. Yoshimizu, C. Jiang, A. Lal, C.H Lee, Electroluminescence from a suspended tip-synthesized nano ZnO dot, Applied Physics Letters, 98(12) (2011) Article number121113 (F.I=3,844)	(10+20 x 3,844)/3=28,960
Total	**94,679**
Lucrarea: Structural and optical characterization of Al-doped ZnO films prepared by thermal oxidation of evaporated Zn/Al multilayered films, G.G. Rusu, A.P. Rambu, V.E. Buta, M.Dobromir, D.Luca, M.Rusu, Material Chemistry and Physics, 123 (2010) 314 – 321 **Citata de:**	

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F. Bayansal, T. Taşköprü, B. Şahin, H.A.Çetinkara, Effect of cobalt doping on nanostructured CuO thin films, Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 45(8) (2014) 3670-3674 (F.I=1,627)	(10+20 x 1,627)/6=7,09
S.-F. Hsu, J.-H. Chou, C.-H. Fang, M.-H. Weng, Optimization of the cathode arc plasma deposition processing parameters of ZnO film using the grey-relational taguchi method, Advances in Materials Science and Engineering**,** 2014 (2014) Article number 187416 (F.I=0,5)	(10+20 x 0,5)/6=3,33
M. Pal, S. Bera, S. Sarkar, S. Jana, Influence of Al doping on microstructural, optical and photocatalytic properties of sol-gel based nanostructured zinc oxide films on glass, RSC Advances, 4(23) (2014)11552-11563 (F.I=2,562)	(10+20 x 2,562)/6=10,206
R.-Y. Yang, C.-T. Pan, C.-W. Huang, Effect of the bias voltage on the structure, mechanical, electronic and optical properties of the low temperature ZnO thin films deposited by using cathodic vacuum arc deposition system on plastic substrates, Materials Science Forum, 773-774 (2014) 287-29	10/6=1,666
R.-Y. Yang, C.-M. Hsiung, T.-L. Yang, C.-C.Huang, Properties of low temperature deposited ZnO thin films on the glass substrate by cathodic arc plasma technology with different film thickness Advanced Science Letters, 19(9) (2013) 2818-2822 (F.I=1,253)	(10+20 x 1,253)/6=5,843
S.-C. Her, T.-C. Chi, Influence of substrate temperature on electrical and optical properties of Al-doped ZnO thin films, Advanced Science Letters, 19(9) (2013) 2567-2571 (F.I=1,253)	(10+20 x 1,253)6=5,843
C.-T. Pan, R.-Y. Yang, M.-H. Weng, C.-W.Huang, Properties of low-temperature deposited ZnO thin films prepared by cathodic vacuum arc technology on different flexible substrates, Thin Solid Films, 539 (2013) 290-293 (F.I=1,604)	(10+20 x 1,604)/6=7,013
F. Bayansal, B. Şahin, M. Yüksel, N. Biyikli, H.A.Çetinkara, H.S.Güder, Influence of coumarin as an additive on CuO nanostructures prepared by successive ionic layer adsorption and reaction (SILAR) method, Journal of Alloys and Compounds, 566 (2013) 78-82 (F.I=2,390)	(10+20 x 2,390)/6=9,633
S.-C. Her, T.-C. Chi, Synthesis and morphology of ZnO films prepared by magnetron sputtering Applied Mechanics and Materials, Volume 307, 2013, Pages 333-336 (F.I=0)	(10+20 x 0)/6=1,666
R.R. Thankalekshmi, S. Dixit, A.C.Rastogi, Doping sensitive optical scattering in zinc oxide nanostructured films for solar cells, Advanced Materials Letters, 4(1) (2013) 9-14 (F.I=2,06)	(10+20 x 2,06)/6=8,533
S. Kahraman, F. Bayansal, H.A Çetinkara, H.M. Çakmak, H.S. Güder, Characterization of CBD grown ZnO films with high c-axis orientation, Materials Chemistry and Physics, 134(2-3) (2012) 1036-1041	(10+20 x 2,072)/6=8,573

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(F.I=2,072)	
C.-W. Huang, C.-T. Pan, R.-Y. Yang, Characteristics of ZnO/Al/ZnO multilayers on glass with different ZnO film thicknesses prepared by cathodic vacuum arc deposition, Proceedings of the 19th International Workshop on Active-Matrix Flatpanel Displays and Devices - TFT Technologies and FPD Materials, AM-FPD 2012**,** Article number 6294849, 91-94 (F.I=0)	(10+20 x 0)/6=1,666
S. Kahraman, H.A. Çetinkara, F.Bayansal, H.M.Çakmak, H.S. Güder, Characterisation of ZnO nanorod arrays grown by a low temperature hydrothermal method, Philosophical Magazine, 92(17) (2012) 2150-2163 (F.I=1,596)	(10+20 x 1,596)/6=6,986
L.S.Wang, S.J. Liu, H.Z. Guo, Y. Chen, G.H.Yue, D.L. Peng, T. Hihara, K. Sumiyama, Preparation and characterization of the ZnO:Al/$Fe_{65}Co_{35}$/ZnO:Al multifunctional films, Applied Physics A: Materials Science and Processing, 106(3) (2012) 717-723 (F.I=1,545)	(10+20 x 1,545)/6=6,816
C.-M.Lai, K.-M.Lin, S.Rosmaidah, Effect of annealing temperature on the quality of Al-doped ZnO thin films prepared by sol-gel method, Journal of Sol-Gel Science and Technology, 61(1) (2012) 249-257 (F.I=1,660)	(10+20 x 1,660)/6=7,200
H.C. Nguyen,T.T. Trinh, T. Le, C.V. Tran, T. Tran, H. Park, V.A. Dao, J. Yi, The mechanisms of negative oxygen ion formation from Al-doped ZnO target and the improvements in electrical and optical properties of thin films using off-axis dc magnetron sputtering at low temperature, Semiconductor Science and Technology, 26(10) (2011) 105022 (F.I=1,723)	(10+20 x 1,723)/6=7,410
T. Wang,Y. Liu, Response to the comment on low temperature synthesis wide optical band gap Al and (Al, Na) co-doped ZnO thin films" Applied Surface Science, 257(20) (2011) 8754 (F.I=2,103)	(10+20 x 2,103)/6=8,676
R.-Y.Yang, M.-H. Weng, C.-T. Pan, C.-M. Hsiung, C.-C. Huang, Low-temperature deposited ZnO thin films on the flexible substrate by cathodic vacuum arc technology, Applied Surface Science, 257(16) (2011) 7119-7122 (F.I=2,103)	(10+20 x 2,103)/6=8,676
X.-J. Qin, S.-H.-Z. Han, L.Zhao, H.-T. Zuo, S.-T. Song, Fabrication of transparent conductive Al-doped ZnO thin films by aerosol-assisted chemical vapour deposition, Journal of Inorganic Materials, 26(6) (2011) 607-612 (F.I=0,445)	(10+20 x 0,445)/6=3,150
M. Wang, Z. Xu, L. Ge, E.J. Kim, , S.H. Hahn J.Yang, X. Cheng, Texture-controlled growth of ZnO nanorods/films by aluminum ion and solvent, Journal of Alloys and Compounds, 507(2) (2010) L21-L25 (F.I=2,134)	(10+20 x 2,134)/6=8,780
Total	**128,756**
Lucrarea Effect of Preparation Conditions on the Microstructural Characteristics and Optical Properties of Oxidized Zinc Films, A.P. Rambu, G.I. Rusu, Superlattices and	

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Microstructures 47 (2010) 300 – 307 **Citata de:**	
Y.L. Lee, S.F Chen, C.L. Ho, M.C. Wu, Effects of oxygen plasma post-treatment on Ga-doped ZnO films grown by thermal-mode ALD, ECS Journal of Solid State Science and Technology, 2(7) (2013) 316- 320	(10+20 x 0)/2=5
Y.L Lee, J.-H. Chuang, T.H. Huang, C.-L. Ho, M.C Wu, Effects of O_2 plasma post-treatment on ZnO: Ga thin films grown by H_2O-thermal ALD, Proceedings of SPIE - The International Society for Optical Engineering, 8626 (2013) Article number 86261K (F.I=0)	(10+20 x 0)/2=5
L. Yang, B. Duponchel, R. Cousin, C. Gennequin, G. Leroy, J. Gest, J.-C. Carru, Structure, morphology and electrical characterizations of direct current sputtered ZnO thin films, Thin Solid Films, 520(14) (2012) 4712-4716 (F.I=1,604)	(10+20 x 1,604)/2=21,040
D.I. Rusu, G.G. Rusu, D.Luca, Structural characteristics and optical properties of thermally oxidized zinc films, Acta Physica Polonica A 119(6) (2011) 850-856 (F.I=0,44)	(10+20 x 0,44)/2=9,4
Total	**40,440**
Lucrarea Electronic and Optical Properties of Some Polysulfone-Polydimethylsiloxane Copolymers in Thin Films, G.I. Rusu, A. Airinei, V. Hamciuc, G.G. Rusu, P.Rambu, M. Diciu, P. Garoi, M. Rusu, Journal of Macromolecular Science Part B-Physics, 48(2) (2009) 238 - 253 **Citata de:**	
E. Yilgör, I Yilgör, Silicone containing copolymers: Synthesis, properties and applications, Progress in Polymer Science, 39 (6) (2014) 1165-1195 (F.I=26,383)	(10+20 x 26,383)/8=67,207
C. Dizman, M.A. Tasdelen, Y. Yagci, Recent advances in the preparation of functionalized polysulfones, Polymer International, 62(7) (2013) 991-1007 (F.I=2,125)	(10+20 x 2,125)/8=6,562
E. Yilmaz, E. Tuğay, A. Aktağ, I.Yildiz, M. Parlak, R. Turan, Surface morphology and depth profile study of $Cd_{1-x}Zn_xTe$ alloy nanostructures, Journal of Alloys and Compounds, 545(2012) 90-98 (F.I=2,390)	(10+20 x 2,390)/8=7,225
E. Yilmaz, R. Turan, A. Aktağ, A. Akgöl, Characterization of CdZnTe thin films prepared by magnetron sputtering from a single CdZnTe target Conference Record of the IEEE Photovoltaic Specialists Conference, 2011, Article number 6186216, Pages 001390-001394 (F.I=0)	(10+20 x 0)/8=1,250
Total	**82,244**
Lucrarea On the Optical Properties of CdS Thin Films, V.Ciupina, C.Baban, Adina Petcu, L. Petcu, Petronela Rambu, G. Prodan, G. I. Rusu, Journal of Optoelectronics and Advanced Materials, 10(3), (2008), 665 - 667	

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Citata de:	
V. Ciupina, R. Vladoiu, A. Mandes, G.Musa, C.P. Lungu,TEM investigation of the C-Me multilayer nanocomposites deposited by Thermionic Vacuum Arc (TVA) method, Journal of Optoelectronics and Advanced Materials, 10(11) (2008) 2958-2962 (F.I=0,577)	(10+20 x 0,577)/7=3,077
Total	**3,077**
Lucrarea On the optical properties of heat-treated multilayered Zn/In thin films, G.G.Rusu, A.P Rambu, M.Rusu, Journal of Optoelectronics and Advanced Materials, 10(2), (2008), 339 - 343 **Citata de:**	
K. Lovchinov, O. Angelov, H.Nichev, V.Mikli, D.Dimova-Malinovska, Transparent and conductive ZnO thin films doped with v, Energy Procedia, 10 (2011) 282-286 (F.I=0)	(10+20 x 0)/3=3,333
D.I. Rusu, G.G. Rusu, D.Luca, Structural characteristics and optical properties of thermally oxidized zinc films Acta Physica Polonica A 119(6) (2011) 850-856 (F.I=0,44)	(10+20 x 0,44)/3=6,266
Total	**9,599**
Total pct 12	**778,514**
13. Lucrări susţinute în calitate de invitat la manifestări ştiinţifice (conferinţe, congrese, simpozioane, seminarii şi ateliere de lucru)	**străinătate: 25 puncte pentru fiecare activitate**
	ţară: 10 puncte pentru fiecare activitate
-	**-**
Total pct 13	**0**
14. Profesor/cercetător invitat la universităţi/institute de cercetare	**străinătate: 25 puncte pentru fiecare activitate**
	ţară: 10 puncte pentru fiecare activitate
-	**-**
Total pct 14	**0**
15. Editor/Membru în *Editorial Board* & *Advisory Board*	**reviste cotate *Web of Science*: editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă**
	reviste internaţionale şi alte reviste ale Universităţii: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă
-	**-**
Total pct 15	**0**
16. Premii internaţionale obţinute printr-un proces de selecţie	**100 puncte / categorie / număr persoane**
-	**-**
Total pct 16	**0**
17. Premii ale Academiei Române	**50 puncte / categorie / număr persoane**
-	**-**
Total pct 17	**0**
18. Alte premii naţionale ale instituţiilor culturale	**20 puncte / categorie / număr persoane**
-	**-**
Total pct 18	**0**

DESCRIPTORI	PUNCTAJ
19. Participări la manifestări ştiinţifice	internaţionale: preşedinte comitet organizare/consiliu ştiinţific, 25 puncte pentru fiecare activitate; **membru comitet organizare/consiliu ştiinţific, 15 puncte pentru fiecare activitate;** moderator de panel, 15 puncte pentru fiecare activitate; **raportor pe secţiuni/paneluri, 10 puncte pentru fiecare activitate**
Membru in secretariatul conferintei "9 th International Conference on Physics of Advanced Materials", 20-23 septembrie 2012, Iasi, Romania https://mail.uaic.ro/~icpam/	15
Membru in Local organizing committee "10 th International Conference on Physics of Advanced Materials", 22-28 septembrie 2012, Iasi, Romania https://www.icpam.ro/	15
Total	**30 puncte**
	naţionale: preşedinte comitet organizare/consiliu ştiinţific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu ştiinţific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; **raportor pe secţiuni/paneluri, 2 puncte pentru fiecare activitate**
-	**-**
Total	**0**
Total pct 19	**30**

1. Articole ştiinţifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact = **817,728 puncte**
2. Articole ştiinţifice publicate *in extenso* în reviste indexate fără factor de impact = **3,333 puncte**
3. Articole ştiinţifice publicate *in extenso* în reviste indexate BDI = **0 puncte**
4. Articole ştiinţifice publicate *in extenso* în volumele conferinţelo r= **0 puncte**
5. Cărţi ştiinţifice publicate (doar prima ediţie) **= 0 puncte**
6. Cărţi ştiinţifice traduse şi publicate în edituri din străinătate **= 0 puncte**
7. Coordonarea şi editarea de volume, traduceri şi antologii **= 0 puncte**
8. Articole publicate în dicţionare şi enciclopedii = **0 puncte**
9. Contracte de cercetare ştiinţifică în instituţii academice (universităţi, institute ale Academiei Române, institute naţionale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice) =**32,927**
10. Contracte de cercetare în mediul de afaceri şi sectorul public= **0 puncte**
11. Brevete = **0 puncte**
12. Citări şi recenzii ale lucrărilor ştiinţifice = **778,514 puncte**
13. Lucrări susţinute în calitate de invitat la manifestări ştiinţifice (conferinţe, congrese, simpozioane, seminarii şi ateliere de lucru)= **0 puncte**
14. Profesor/cercetător invitat la universităţi/institute de cercetare= **0 puncte**
15. Editor/Membru în Editorial Board & Advisory Board=**0 puncte**
16. Premii internaţionale obţinute printr-un proces de selecţie= **0 puncte**
17. Premii ale Academiei Române= **0 puncte**
18. Alte premii naţionale ale instituţiilor culturale= **0 puncte**
19. Participări la manifestări ştiinţifice**=30 puncte**

Total =1662,502 puncte