

Fișă de Autoevaluare

alcătuită în conformitate cu prevederile Fișei de evaluare generală a standardelor Universității
(Anexa 1 – Metodologie Proprie)

1	Articole științifice publicate in extenso în reviste cotate Web of Science cu factor de impact	Total=862,326 puncte
	<i>Formula de Calcul: (60 puncte × factor de impact + 25)/număr autori</i>	
1	A.P. Rambu , F. Tudorache, I. Petrila, G. G. Rusu, V. Nica, M. Dobromir, S. Tascu "Combined effects of p–n heterojunctions and active surface areas in a composite material dedicated to gas sensing applications" Journal of Materials Science: Materials in Electronics 26 (2015) 9837-9844 IF=1,569	17,02 puncte
2	A.P. Rambu , N. Iftimie, V. Nica, M. Dobromir, S. Tascu, Efficient methane detection by Co doping of ZnO thin films, Superlattices and Microstructures 78 (2015) 61-70 F.I.=2,097	30,164 puncte
3	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.=2,097	25,136 puncte
4	A.P.Rambu , N.Iftimie, Synthesis and characterization of thermally oxidized ZnO films, Bulletin of Materials Science 37(3) (2014) 441-448 F.I.=1,017	43,01 puncte
5	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.=2,185	39,025 puncte
6	A.P.Rambu , L.Ursu, N.Iftimie, V.Nica, M.Dobromir, F.Iacomî, Study on Ni-doped ZnO films as gas sensors, Applied Surface Science 280 (2013) 598–604 F.I.=2,538	29,546 puncte
7	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.=1,979	47,913 puncte
8	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.=0,87	15,44 puncte
9	A.P. Rambu , C.Doroftei, L.Ursu, F.Iacomî, 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.=2,305	40,825 puncte
10	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	31,315 puncte
11	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	51,593 puncte
12	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	118,84 puncte
13	M. Irimia, F. Iacomî, 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	9,546 puncte
14	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	24,886 puncte
15	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	45,253 puncte
16	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	12,52 puncte

17	A.P. Rambu , D. Sirbu, N. Iftimie, G.I. Rusu, Polycrystalline ZnO–In ₂ O ₃ thin films as gas sensors, Thin Solid Films 520 (2011) 1303–1307 F.I.=1,890	34,60 puncte
18	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	30,236 puncte
19	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	14,926 puncte
20	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	6,552 puncte
21	D.Sirbu, A.P.Rambu , G.I.Rusu, Microstructure, wettability and optical characteristics of ZnO/In ₂ O ₃ thin films, Materials Science and Engineering B 176 (2011) 266 – 270 F.I.=1,518	38,693 puncte
22	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	8,667 puncte
23	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	9,824 puncte
24	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) 1344 – 1348 F.I.=1,286	34,053 puncte
25	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	27,696 puncte
26	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	9,944 puncte
27	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	45,23 puncte
28	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	19,873 puncte
2	Articole științifice publicate în extenso în reviste indexate fără factor de impact Formula de calcul:20 puncte / număr autori	Total=0 puncte
3	Articole științifice publicate în extenso în reviste indexate BDI Formula de calcul: 15 puncte / număr autori	Total=0 puncte
4	Articole științifice publicate in extenso în volumele conferințelor	Total=6,25 puncte
	indexate ISI	Punctaj=5 puncte
	Formula de calcul: 30 puncte /număr autori	
1	M. Irimia, A.P. Rambu , G. Zodieru, 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	5 puncte
	indexate în BDI Formula de calcul: 15 puncte / număr autori	
	alte categorii:	Punctaj=1,25
	Formula de calcul: 5 puncte /număr autori	
1	Marius Smirnov, Alicia P. Rambu , Cristian Baban, Gheorghe I. Rusu, Electronic Transport	1,25 puncte

	Properties in Polycrystalline ZnO Thin Films, Journal of Advanced Research in Physics 1(2) 021011 (2010)	
5	Cărți științifice publicate (doar prima ediție)	Total=0 puncte
	edituri academice internaționale: 100 puncte la 100 pagini / număr autori	
	alte edituri internaționale: 70 puncte la 100 pagini / număr autori	
	edituri academice naționale: 50 puncte la 100 pagini / număr autori	
	alte edituri naționale: 20 puncte la 100 pagini / număr autori	
6	Cărți științifice traduse și publicate în edituri din străinătate	Total=0 puncte
7	Coordonarea și editarea de volume, traduceri și antologii	Total=0 puncte
	edituri academice internaționale: 60 puncte / număr autori	
	alte edituri internaționale: 40 puncte / număr autori	
	edituri academice naționale: 30 puncte / număr autori	
	alte edituri naționale: 15 puncte / număr autori	
8	Articole publicate în dicționare și enciclopedii	Total=0 puncte
	edituri academice internaționale: 30 puncte / număr autori	
	alte edituri internaționale: 20 puncte / număr autori	
	edituri academice naționale: 15 puncte / număr autori	
	alte edituri naționale: 5 puncte / număr autori	
9	Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	Total=20,428 puncte
	contracte internaționale – director: 100 puncte pentru fiecare 100.000 Euro	
	contracte internaționale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare	
	contracte naționale – director: 50 puncte pentru fiecare 500.000 lei	
1	Proiect național PN II, tip Tineri Doctoranzi, Nr. 567/2007, Titlul "Studiul Proprietăților Electrice și Optice ale unor Semiconductori Oxidici Conductor și Transparenți", Perioada 2007 – 2009 Buget total 40.000 lei	4 puncte
	contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare	
1	Titlu Proiect: Circuite cuantice integrate bazate pe rețele de ghiduri neliniare Programul: Idei, Proiecte comune de cercetare Romania-Franta. Cod proiect: PN-II-ID-JRP-RO-FR-2014-0013	16,428 puncte

	Contract de Finantare Nr. 23/Ro-Fr/12.01.2015 Buget: 1.150.000 lei Durata de implementare: Ianuarie 2015 – Decembrie 2017	
10	Contracte de cercetare în mediul de afaceri și sectorul public	Total=0 puncte
	organizații internaționale: 100 puncte pentru fiecare 100.000 Euro	
	firme multinaționale: 100 puncte pentru fiecare 100.000 Euro	
	firme naționale: 50 puncte pentru fiecare 500.000 Euro	
	organizații administrative naționale: 40 puncte pentru fiecare 500.000 Euro	
	alte organizații publice de nivel național: 30 puncte pentru fiecare 500.000 Euro	
11	Brevete	Total=0 puncte
	internaționale: 100 puncte / număr de autori	
	naționale: 30 puncte / număr autori	
12	Citări și recenzii ale lucrărilor științifice	Total=1879,101 puncte
reviste de specialitate din străinătate: (10 + 20 × factor de impact)/număr autori, pentru fiecare citare		
Articol	A.P. Rambu , N. Iftimie, V. Nica, M. Dobromir, S. Tascu, <i>Efficient methane detection by Co doping of ZnO thin films</i> , Superlattices and Microstructures, 78 (2014) 61-70.	Punctaj=33,536
Citat de		
1	S.Condurache-Bota, C. Constantinescu, M. Praisler, N. Tigau, The influence of the substrate temperature on the structure and on the optical energy bandgap of bismuth oxide thin films prepared by pulsed laser deposition, Digest Journal of Nanomaterials and Biostructures, 10(3) (2015) 1025-1032 FI=0,945	5,78 puncte
2	D. Sudha, P. Sivakumar, Review on the photocatalytic activity of various composite catalysts, Chemical Engineering and Processing: Process Intensification, 97 (2015) Article number 6655, Pages 112-133	2 puncte
3	D Sudha, P Sivakumar, Review on the photocatalytic activity of various composite catalysts, Chemical Engineering and Processing 97 (2015) 112-133 FI=2,071	10,284 puncte
4	S Shalini, D Balamurugan, Ambient temperature operated acetaldehyde vapour detection of spray deposited cobalt doped zinc oxide thin film, Journal of Colloid and Interface Science, 466 (2016) 352-359 FI=3,368	15,472 puncte
Articol	A.P.Rambu , L.Ursu, N.Iftimie, V.Nica, M.Dobromir, F.Iacomi, <i>Study on Ni-doped ZnO films as gas sensors</i> , Applied Surface Science, 280 (2013) 598-604.	Punctaj=188,241
Citat de		
1	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.=2,999	11,663 puncte
2	K.G. Saw, S.S. Tneh, G.L. Tan, F.K. Yam, S.S. Ng, 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) art. no. e86544 F.I.=3,234	12,446 puncte
3	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.=2,711	10,703 puncte
4	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.=2,711	10,703 puncte
5	C. Shao, Y. Chang, Y. Long, High performance of nanostructured ZnO film gas sensor at	15,323 puncte

	room temperature, Sensors and Actuators, B: Chemical, 204 (2014) 666-672 F.I.=4,097	
6	Dhivya, P., Sridharan, M. Nanostructured ZnO films for room temperature ammonia sensing, Journal of Electronic Materials 43(9) (2014) 3211-3216 F.I.=1,798	7,66 puncte
7	H. Shokry Hassan, A.B. Kashyout, I. Morsi, A.A.A. Nasser, A. Raafat, Fabrication and characterization of gas sensor micro-arrays, Sensing and Bio-Sensing Research, 1(2014) 34-40 F.I.=0	1,666 puncte
8	M. Ashokkumar, S. Muthukumaran, Microstructure, optical and FTIR studies of Ni, Cu co-doped ZnO nanoparticles by co-precipitation method, Optical Materials, 37(C) (2014) 671-678 F.I.=1,981	8,27 puncte
9	M Yilmaz, Characteristic properties of spin coated ZnO thin films: the effect of Ni doping, Physica Scripta, 89(9) (2014) art. no. 095802 FI=1,126	5,42 puncte
10	X.L. Zhang, K.S. Hui, F. Bin, K.N. Hui, L. Li, Y.R. Cho, R.S. Mane, W. Zhou, Effect of thermal annealing on the structural, electrical and optical properties of Al-Ni co-doped ZnO thin films prepared using a sol-gel method, Surface and Coatings Technology, 261(2015)149-155 F.I.=1,998	8,326 puncte
11	Q.Yin, R. Qiao, Z. Li, X.L. Zhang, L. Zhu, Hierarchical nanostructures of nickel-doped zinc oxide: Morphology controlled synthesis and enhanced visible-light photocatalytic activity, Journal of Alloys and Compounds, 618(2015) 318-325 F.I.=2,999	11,663 puncte
12	T. Taşköprü, F. Bayansal, B. Şahin, M. Zor, Structural and optical properties of Co-doped NiO films prepared by SILAR method, Philosophical Magazine, 95(1) (2015) 32-40 F.I.=1,825	7,75 puncte
13	S. Bai, H. Liu, J. Sun, Y.Tian, R. Luo, D. Li, A. Chen, Mechanism of enhancing the formaldehyde sensing properties of Co ₃ O ₄ via Ag modification, RSC Advances, 5(60) (2015) 48619-48625 F.I.=3,840	14,466 puncte
14	P. Prepelita, V. Craciun, F. Garoi, A.Staicu, Effect of annealing treatment on the structural and optical properties of AZO samples, Applied Surface Science 352 (2015) 23-27 F.I.=2,711	10,703 puncte
15	D.C. Joshi, S. Nayak, P.Suresh, K.S. Suresh, B.V.M. Kumar, S.Thota, The X-ray photoelectron spectroscopy and high-temperature structural studies of Zn _{1-x} Ni _x O/NiO two-phase composites, Physica Status Solidi (B) Basic Research, 252(10) (2015) 2323-2329 F.I.=1,469	6,563 puncte
16	Hassan, HS, Kashyout, AB, Morsi, I, Nasser, AAA, Raafat, A, Fabrication and Characterization of Nano-Gas Sensor Arrays, AIP Conference Proceedings, 1653 (2015) art. no. 020042	1,666 puncte
17	V.V. Ganbavle, S.I. Inamdar, G.L. Agawane, J.H. Kim, K.Y. Rajpure, Synthesis of fast response, highly sensitive and selective Ni:ZNO based NO ₂ sensor, Chemical Engineering Journal, 286 (2016) 36-47 F.I.=4,321	16,07 puncte
18	M Vanaraja, K Muthukrishnan, S Boomadevi, RK Karn, V Singh, PK Singh, K Pandiyan, Dip coated nanostructured ZnO thin film: Synthesis and application, Ceramics International, 42(3) (2016) 4413-4420 FI=2,605	8,55 puncte
19	ZY Pang, ZP Yang, Y Chen, JM Zhang, QQ Wang, FL Huang, QF Wei, A room temperature ammonia gas sensor based on cellulose/TiO ₂ /PANI composite nanofibers, Colloids and Surfaces A-Physicochemical and Engineering Aspects, 494 (2016) 248-255 FI=2,752	10,84 puncte
20	W.Pipornpong, B.Kaewruksa, V.Ruangpornvisuti, DFT investigation on molecular structures of metal and nonmetal-doped ZnO sodalite-like cage and their electronic properties, Structural Chemistry 27(3) (2016) 773-784 FI=1,837	7,79 puncte
Articol	A.P. Rambu , C.Doroftei, L.Ursu, F.Iacomì, <i>Structure and gas sensing properties of nanocrystalline Fe-doped ZnO films prepared by spin coating method</i> , Journal of Materials Science, 48(12) (2013) 4305-4312.	Punctaj=130,545
Citat de		
1	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	6,055 puncte

	F.I= 0,711	
2	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=1,491	9,955 puncte
3	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-Applies Physics, 64(1) (2013) art. no. 10304 IF=0,789	6,445 puncte
4	C. Shao, Y. Chang, Y. Long, High performance of nanostructured ZnO film gas sensor at room temperature, Sensors and Actuators, B: Chemical, 204 (2014) 666-672, F.I=4,097	22,985 puncte
5	M.M. Hassan, W. Khan, A.H. Naqvi, P. Mishra, S.S. Islam, Fe dopants enhancing ethanol sensitivity of ZnO thin film deposited by RF magnetron sputtering, Journal of Materials Science, 49(18) (2014) 6248-6256, F.I=2,371	14,355 puncte
6	R.S. Sreedharan, V. Ganasan, C. Sudarsanakumar, Prabhu, V.P.M Pillai, Highly transparent and luminescent nanostructured EU2O 3 doped ZnO films, IOP Conference Series: Materials Science and Engineering, 64(1) (2014) art. no. 012027	2,5 puncte
7	S. Huang, T. Wang, Q. Xiao, Effect of Fe doping on the structural and gas sensing properties of ZnO porous microspheres, Journal of Physics and Chemistry of Solids, 76(2015) 51-58 F.I=1,853	11,765 puncte
8	R. Knut, U. Lagerqvist, P. Palmgren, P. Pal, P. Svedlindh, A. Pohl, O. Karis, Photoinduced reduction of surface states in Fe:ZnO, Journal of Chemical Physics, 142(20) (2015) 204703 FI=2,952	17,26 puncte
9	G. Li, H. Wang, Y. Zhao, Q. Wang, K. Wang, Z. Wang, Effect of oxidation temperature and high magnetic field on the structure and optical properties of Co-doped ZnO prepared by oxidizing Zn/Co bilayer thin films, Materials Chemistry and Physics, 162 (2015) art. no. 18107, 88-93 F.I=2,259	13,795 puncte
10	C. Adomnitei, S. Tascu, D. Luca, M. Dobromir, M. Girtan, D. Mardare, Nb-doped TiO2 thin films as photocatalytic materials, Bulletin of Materials Science, 38 (5) (2015) 1259-1262 FI=1,017	7,585 puncte
11	S. Brahma, P. Jaiswal, K.S. Suresh, K.-Y. Lo, S. Suwas, S.A. Shivashankar, Effect of substrates and surfactants over the evolution of crystallographic texture of nanostructured ZnO thin films deposited through microwave irradiation, Thin Solid Films, 593(2015) 81-90 FI=1,759	11,295 puncte
12	M Sucheia, IV Tudose, S Ionita, I Sandu, F Iacom, E Koudoumas, ZnO Nanostructures for Potential Applications in Organic Solar Cells, Revista de Chimie, 66(12) (2015) 2044-2046 FI=0,810	6,55 puncte
Articol	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.	Punctaj=111,545
Citat de		
1	D. Wang, D. Su, M.Zhong, Chromatic and near-infrared reflective properties of Fe ³⁺ doped KZnPO ₄ , Solar Energy, 110 (2014) 1-6, F.I=3,469	26,46 puncte
2	A. Srivastava, N. Kumar, S. Khare, Enhancement in UV emission and band gap by Fe doping in ZnO thin films, Opto-electronics Review, 22 (2014) 68-76 F.I=1,667	14,446 puncte
3	C.O. Chey, A. Masood, A. Riazanova, X. Liu, K.V. Rao, O. Nur, M. Willander, Synthesis of Fe-Doped ZnO nanorods by rapid mixing hydrothermal method and its application for high performance UV photodetector, Journal of Nanomaterials, 2014 (2014) art. no. 524530 FI=1,644	14,293 puncte
4	F. Zhang, H.Cui, W. Zhang, Identifying properties of Co-doped ZnO nanowires from first-principles calculations Vacuum, 119 (2015), Article number 6672, Pages 131-135 F.I=1,858	15,72 puncte
5	MA Ciciliati, MF Silva, DM Fernandes, MAC de Melo, AAW Hechenleitner, EAG Pineda, Fe-doped ZnO nanoparticles: Synthesis by a modified sol-gel method and characterization, Materials Letters, 159 (2015) 84-86 IF=2,489	19,926 puncte
6	B.P. Kafle, S. Acharya, S. Thapa, S. Poudel, Structural and optical properties of Fe-doped	20,7 puncte

	ZnO transparent thin films, Ceramics International, 42(1) (2016) 1133-1139 FI=2,605	
Articol	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 (23) (2013) art. no. 234506	Punctaj=21,7
Citat de		
1	Y.Chen, Z.Shen, Q.Jia, J.Zhao, Z.Zhao, H.Ji, A CuO-ZnO nanostructured p-n junction sensor for enhanced N-butanol detection, RSC Advances, 6(3) (2016) 2504-2511 FI=3,840	21,7 puncte
Articol	A.P. Rambu, D. Sirbu, A.V. Sandu, G.Prodan, V. Nica , <i>Influence of In doping on electro-optical properties of ZnO films</i> , Bulletin of Materials Science, 36(2) (2013) 231-237.	Punctaj=68,084
Citat de		
1	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 FI=2,288	11,152 puncte
2	J.W. Zhang, G. He, T.S. Li, M. Liu, X.S. Chen, Y.M. Liu, Z.Q. Sun, Modulation of microstructure and optical properties of Mo-doped ZnO thin films by substrate temperature, Materials Research Bulletin, 65(2015) 7-13 FI=2,288	11,152 puncte
3	N.H. Sheeba, S.C. Vattappalam, J. Naduvath, P.V. Sreenivasan, S. Mathew, R.R. Philip, Effect of Sn doping on properties of transparent ZnO thin films prepared by thermal evaporation technique, Chemical Physics Letters, 635(2015) 290-294 FI=1,897	9,588 puncte
4	M. Yilmaz, Ş. Aydoğan, The effect of Pb doping on the characteristic properties of spin coated ZnO thin films: Wrinkle structures, Materials Science in Semiconductor Processing, 40 (2015) article number 2837, 162-170 FI=1,955	9,82 puncte
5	M. Yilmaz, Investigation of characteristics of ZnO:Ga nanocrystalline thin films with varying dopant content, Materials Science in Semiconductor Processing, 40 (2015) Article number 2804, 99-106 FI=1,955	9,82 puncte
6	M. Yilmaz, D. Tatar, E. Sonmez, C. Cirak, S. Aydoğan, R. Gunturkun, Investigation of Structural, Morphological, Optical, and Electrical Properties of Al Doped ZnO Thin Films Via Spin Coating Technique, Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry, 46(4) (2016) 489-494 FI=0,533	4,132 puncte
7	A Sreedhar, H Jung, JH Kwon, J Yi, JS Gwag, Effect of ion beam assistance on Cu- doped ZnO thin films deposited by simultaneous RF and DC magnetron sputtering, Ceramics International, 42 (2) (2016) 3064-3071 FI=2,605	12,42 puncte
Articol	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.	Punctaj=212,146
Citat de		
1	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 FI=3,84	28,933 puncte
2	C.-S. Lee, I.-D. Kim, J. H. Lee, Selective and sensitive detection of trimethylamine using ZnO-In ₂ O ₃ composite nanofibers, Sensors and Actuators, B: Chemical, 181 (2013) 463-470 FI=3,84	28,933 puncte
3	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 FI=2,305	18,7 puncte
4	Y.-H. Choi, D.-H. Kim, S.-H. Hong, K.S. Hong, H ₂ and C ₂ H ₅ OH 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, FI=3,84	28,933 puncte
5	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 FI=3,476	26,506 puncte
6	Y.-H. Choi, S.-H. Hong, Composition-dependent crystallization enhancing moisture-barrier	19,926 puncte

	performance in In-Zn-O thin films, <i>Materials Letters</i> , 159 (2015) 381-384 FI=2,489	
7	B. Khalfallah, F. Chaabouni, M. Abaab, Some physical investigations on In-doped ZnO films prepared by RF magnetron sputtering using powder compacted target, <i>Journal of Materials Science: Materials in Electronics</i> , 26(7) (2015) 5209-5216 FI=1,569	13,793 puncte
8	W. Li, X. Wu, H. Liu, J. Chen, W. Tang, Y. Chen, Hierarchical hollow ZnO cubes constructed using self-sacrificial ZIF-8 frameworks and their enhanced benzene gas-sensing properties, <i>New Journal of Chemistry</i> , 39(9) (2015) 7060-7065 FI=3,086	23,096 puncte
9	T.Samerjai, D.Channei, C.Khanta, K.Inyawilert, C.Liewhiran, A.Wisitsoraat, D.Phokharatkul, S. Phanichphant, Flame-spray-made Zn-In-O alloyed nanoparticles for NO ₂ gas sensing, <i>Journal of Alloys and Compounds</i> 680 (2016) 711-721 FI=2,999	23,326 puncte
Articol	L. Leontie, R.Danac, M.Girtan, A.Carlescu, A.P. Rambu , G.I. Rusu, <i>Electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films</i> , <i>Materials Chemistry and Physics</i> , 135(1) (2012) 123-129.	Punctaj=14,786
Citat de		
1	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, <i>Journal of Materials Science</i> , 49(12) (2014) 4215-4224 F.I.=2,371	9,57 puncte
2	CM Al Matarneh, R Danac, L Leontie, F Tudorache, I Petrila, F Iacom, A Carlescu, G Nedelcu, I Mangalagiu, Synthesis and Electron Transport Properties of Some New 4,7-Phenanthroline Derivates in Thin Films <i>Environmental Engineering and Management Journal</i> , 14(2) (2015) 421-431 IF=1,065	5,216 puncte
Articol	A.P Rambu , <i>The influence of oxidation time on the properties of oxidized zinc films</i> , <i>Superlattices and Microstructures</i> , 52(3) (2012) 577-584.	Punctaj=120,76
Citat de		
1	G. Li, H. Wang, Q. Wang, Y. Zhao, Z. Wang, J. Du, Y. Ma, Structure and properties of Co-doped ZnO films prepared by thermal oxidation under a high magnetic field, <i>Nanoscale Research Letters</i> , 10(1) (2015) 1-8 F.I.=2,779	65,58 puncte
2	G. Li, H. Wang, Y. Zhao, Q. Wang, K. Wang, Z.Wang, Effect of oxidation temperature and high magnetic field on the structure and optical properties of Co-doped ZnO prepared by oxidizing Zn/Co bilayer thin films, <i>Materials Chemistry and Physics</i> , 162 (2015) art. no. 18107, 88-93 FI=2,259	55,18 puncte
Articol	A.P.Rambu , N.Iftimie, G.I.Rusu, <i>Influence of the substrate nature on the properties of ZnO thin films</i> , <i>Materials Science and Engineering B</i> , 177 (2012) 157– 163.	Punctaj=96,651
Citat de		
1	K. Vijayalakshmi, K. Karthick, P. Dhivya, M. Sridharan, Low power deposition of high quality hexagonal ZnO film grown on Al ₂ O ₃ (0001) sapphire by dc sputtering, <i>Ceramics International</i> 39(5) (2013) 5681-5687 F.I.=2,086	17,24 puncte
2	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, <i>Sensors and Actuators, A: Physical</i> 189 (2013) 339-343 F.I.=2,143	17,62 puncte
3	P. Prepelita, V. Craciun, G. Sbarcea, F Garoi, Relevance of annealing on the stoichiometry and morphology of transparent thin films, <i>Applied Surface Science</i> 306 (2014) 47-51 F.I.=2,711	21,406 puncte
4	F.N. Jiménez-García, C.L.Londoño-Calderón, D.G. Espinosa-Arbeláez, A. Del Real, M.E. Rodríguez-García, Influence of substrate on structural, morphological and optical properties of ZnO films grown by SILAR method, <i>Bulletin of Materials Science</i> 37(6)(2014) 1283-1291 F.I.=1,017	10,113 puncte
5	S.P. Cao, F. Ye, A.Y. Xu, F.M. Bai, Interfacial misfit of zinc oxide films deposited on Si (100), (110) and (111) substrates, <i>Materials Research Innovations</i> , 18(2014) S4642-S4645 F.I.=0,830	8,866 puncte
6	P.Pascariu, A.Airinei, M.Grigoras, L.Vacareanu, F.Iacom, Metal-polymer nanocomposites based on Ni nanoparticles and polythiophene obtained by electrochemical method, <i>Applied Surface Science</i> 352 (2015) 95-102 FI=2,711	21,406 puncte
Articol	A.P. Rambu , D. Sirbu, M. Dobromir, G. G. Rusu, <i>Electronic transport and optical properties</i>	Punctaj=25,315

	<i>of indium oxide thin films prepared by thermal oxidation</i> , Solid State Sciences, 14(10) (2012) 1543-1549.	
Citat de		
1	T. Georgakopoulos, M.V. Sofianou, K.Pomoni, C Trapalis, Journal of Alloys and Compounds, 586 (2014) 52-58, F.I=2,999	17,495 puncte
2	G. Li, Z. Wang, Q. Wang, H. Wang, J. Du, Y. Ma, J. He, Effect of oxidation time under high magnetic field on the microstructure and optical properties of oxidized Co-doped ZnO films, Acta Metallurgica Sinica 50(12) (2014) 1538-1542 F.I=0	2,5 puncte
3	A Bedoya-Calle, M Garcia-Mendez, A Torres-Castro, S Shaji, U Ortiz-Mendez, Chemical characterization of DC-sputtered In ₂ O ₃ films with a top SnO ₂ layer, Journal of Nano Research, 30 (2015) 86-95 IF=0,564	5,32 puncte
Articol	A.P. Rambu , D. Sirbu, N. Iftimie, G.I. Rusu, <i>Polycrystalline ZnO–In₂O₃ thin films as gas sensors</i> , Thin Solid Films, 520 (2011) 1303–1307	Punctaj=64,675
Citat de		
1	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	2,5 puncte
2	Y.-J. Lee, J.-H. Kim, J.Kang, Characteristics of Y ₂ O ₃ -doped indium zinc oxide films grown by radio frequency magnetron co-sputtering system, Thin Solid Films 534 (2013) 599-602 F.I=1,867	11,835 puncte
3	J.F. Lei, Z.W. Wang, W.S. Li, Controlled fabrication of ordered structure-based ZnO films by electrochemical deposition, Thin Solid Films 573 (2014) 74-78 F.I=1,759	11,295 puncte
4	G. Li, Z. Wang, Q. Wang, H. Wang, J. Du, Y. Ma, J. He, Effect of oxidation time under high magnetic field on the microstructure and optical properties of oxidized Co-doped ZnO films, Acta Metallurgica Sinica 50(12) (2014) 1538-1542 F.I=0	2,5 puncte
5	L. Zhang, W. Jiao, Synthesis and gas sensing properties of high porosity n-type nickel ferrite thin film assisted by altering magnetic field, Current Applied Physics 15(7) (2015) 789-793 F.I=2,212	13,56 puncte
6	L. Zhang, W. Jiao, The effect of microstructure on the gas properties of NiFe ₂ O ₄ sensors: Nanotube and nanoparticle, Sensors and Actuators B: Chemical 216 (2015) 293-297 F.I=4,097	22,985 puncte
Articol	S. Condurache-Bota, N. Tigau, A. P. Rambu , G. G. Rusu, G. I. Rusu, <i>Optical and Electrical Properties of Thermally-Oxidized Bismuth Thin Films</i> , Applied Surface Science, 257(24) (2011) 10545-10550.	Punctaj=158,564
Citat de		
1	Y. Wang, J. Zhao, Y. Zhu, B.Zhou, X.Zhao, Z.Wang, Controlled fabrication and optical properties of 3D hierarchical α -Bi ₂ O ₃ siamesed microflowers, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 434 (2013) 296-302 F.I=2,354	11,416 puncte
2	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=1,694	8,776 puncte
3	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 ₂ O, Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 32(1) (2014) art.no 01A113 F.I=2,140	10,56 puncte
4	J. Morasch, S. Li, J. Brötz, W. Jaegermann, A. Klein, Reactively magnetron sputtered Bi ₂ O 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=1,616	8,464 puncte
5	Y. Wang, J. Zhao, B. Zhou, X. Zhao, Z. Wang, Y. Zhu, Three-dimensional hierarchical flowerlike microstructures of α -Bi ₂ O ₃ constructed of decahedrons and rods, Journal of Alloys and Compounds, 592 (2014) 296-300 F.I=2,999	13,996 puncte
6	Z. Xiao, J. Zhong, J. Li, S.Huang, J.Zeng, M. Li, G.Yong, Enhanced photocatalytic activity of γ and Pd-co-doped Bi ₂ O ₃ prepared by parallel flow co-precipitation method, Journal of Advanced Oxidation Technologies, 17(1) (2014) 139-144 F.I=0,988	5,952 puncte
7	E.T. Salim, Y. Al-Douri, M.S. Al Wazny, M.A.Fakhri, Optical properties of Cauliflower-like	15,876 puncte

	Bi ₂ O ₃ nanostructures by reactive pulsed laser deposition (PLD) technique, Solar Energy, 107 (2014) 523-529 F.I=3,469	
8	S. Condurache-Bota, C. Constantinescu, M. Praisler, R. Gavrilă, N. Tigau, C. Gheorghies, Influence of the preparation method on the morpho-structural and optical properties of bismuth oxide thin films, Proceedings of the International Semiconductor Conference, CAS 2014, Article number 6966394, Pages 69-72	2 puncte
9	S. Condurache-Bota, C. Constantinescu, M. Praisler, V.Tiron, N. Tigau, C.Gheorghies, The influence of laser wavelength and pulses number on the structure and the optical properties of pulsed laser-deposited bismuth oxide thin films, Proceedings of the International Semiconductor Conference, CAS 2014, Article number 6966400, Pages 87-90	2 puncte
10	G. Li, Z. Wang, Q. Wang, H. Wang, J. Du, Y. Ma, J. He, Effect of oxidation time under high magnetic field on the microstructure and optical properties of oxidized Co-doped ZnO films, Acta Metallurgica Sinica 50(12) (2014) 1538-1542	2 puncte
11	J Cyviene, A Iljinis, Optical Propertis of Bismuth Oxide Deposited Using Plasma Assisted Evaporation, 5th International Conference Radiation Interaction With Materials: Fundamentals and Applications 2014, Book Series: Radiation Interaction with Materials and Its Use in Technologies, (2014) 156-159	2 puncte
12	F. Tudorache, I. Petrila, S.Condurache-Bota, C.Constantinescu, M. Praisler, Humidity sensors applicative characteristics of granularized and porous Bi ₂ O ₃ thin films prepared by oxygen plasma-assisted pulsed laser deposition, Superlattices and Microstructures, 77 (2015) 276-285 FI=2,097	10,388 puncte
13	Y. Wang, Y. Li, Metastable γ -Bi ₂ O ₃ tetrahedra: Phase-transition dominated by polyethylene glycol, photoluminescence and implications for internal structure by etch, Journal of Colloid and Interface Science, 454 (2015) 238-244 FI=3,368	15,472 puncte
14	S. Condurache-Bota, C. Constantinescu, M. Praisler, N. Tigau, The influence of the substrate temperature on the structure and on the optical energy bandgap of bismuth oxide thin films prepared by pulsed laser deposition, Digest Journal of Nanomaterials and Biostructures 10(3) (2015) 1025-1032 FI=0,945	5,78 puncte
15	K Sadecka, J Toudert, HB Surma, DA Pawlak, Temperature and atmosphere tunability of the nanoplasmonic resonance of a volumetric eutectic-based Bi ₂ O ₃ -Ag metamaterial, Optics Express, 23 (15) (2015) 19098-19111 IF=3,488	15,952 puncte
16	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 (9-10) (2015) 1296-1301 IF=0,429	3,716 puncte
17	X. Huang, W. Zhang, Y. Tan, J. Wu, Y. Gao, B. Tang, Facile synthesis of rod-like Bi ₂ O ₃ nanoparticles as an electrode material for pseudocapacitors, Ceramics International, 42(1) (2016) 2099-2105 FI=2,605	12,42 puncte
18	J. Wu, K.S.Hui, K.N. Hui, L. Li,, H.-H. Chun, Y.R Cho, Characterization of Sn-doped CuO thin films prepared by a sol-gel method, Journal of Materials Science: Materials in Electronics, 27(2) (2016) 1719-1724 FI=1,569	8,276 puncte
19	S.Condurache-Bota, C.Constantinescu, N.Tigau, M.Praisler, Bismuth Oxide Thin Films Deposited on Silicon Through Pulsed Laser Ablation for Infrared Detectors, Surface Review and Letters 23(2) (2016) Article number 1550104 FI=0,38	3,52 puncte
Articol	A.Yildiz, B. Kayhan, B. Yurduguzel, A. P. Rambu , F. Iacomì, S. Simon, <i>Ni doping effect on electrical conductivity of ZnO nanocrystalline thin films</i> , Journal of Material Science: Materials in Electronics 22(9) (2011)1473-1478	Punctaj=78,146
Citat de		
1	T. Serin, A. Yildiz, S. Uzun, E. Çam, N. Serin, Electrical conduction properties of In-doped ZnO thin films, Physica Scripta, 84(6) (2011) art. no 065703 F.I=1,204	5,68 puncte
2	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	7,013 puncte
3	A. Yildiz, F. Iacomì, On the mechanism of electrical conduction in cobalt-doped zinc oxide nanocrystalline thin films, Journal of the Physical Society of Japan, 81(5) (2012) art. no 054602 F.I=2,087	8,623 puncte
4	A. Yildiz, B. Yurduguzel, B. Kayhan, G. Calin, M. Dobromir, F. Iacomì, Electrical conduction properties of Co-doped ZnO nanocrystalline thin films, Journal of Materials	6,62 puncte

	Science: Materials in Electronics, 23(2) (2012) 425-430 F.I.=1,486	
5	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	7,616 puncte
6	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.=2,605	10,35 puncte
7	G. Li, Z. Wang, Q. Wang, H. Wang, J. Du, Y. Ma, J. He, Effect of oxidation time under high magnetic field on the microstructure and optical properties of oxidized Co-doped ZnO films, Acta Metallurgica Sinica 50(12) (2014) 1538-1542 F.I.=0	1,666 puncte
8	Z.N. Kayani, F. Kiran, S. Riaz, R. Zia, S. Naseem, Dip coated nickel zinc oxide thin films: Structural, optical and magnetic investigations, Superlattices and Microstructures, 77 (2015) 171-180 F.I.=1,979	8,263 puncte
9	B.B. Straumal, A.A. Mazilkin, S.G. Protasova, S.V. Stakhanova, P.B. Straumal, M.F. Bulatov, G. Schutz, Th. Tietze, E. Goering, B Baretzky, Grain boundaries as a source of ferromagnetism and increased solubility of Ni in nanograined ZnO, Reviews on Advanced Materials Science, 41(1) (2015) 61-71 FI=1,161	5,536 puncte
10	M Sucheai, IV Tudose, S Ionita, I Sandu, F Iacomi, E Koudoumas, ZnO Nanostructures for Potential Applications in Organic Solar Cells, Revista de Chimie, 66(12) (2015) 2044-2046 FI=0,81	4,366 puncte
11	A Yildiz, S Uzun, N Serin, T Serin, Influence of grain boundaries on the figure of merit of undoped and Al, In, Sn doped ZnO thin films for photovoltaic applications, Scripta Materialia 113 (2016) 23-26 FI=3,224	12,413 puncte
Articol	D.Sirbu, A.P. Rambu , G.I.Rusu, <i>Microstructure, wettability and optical characteristics of ZnO/In₂O₃ thin films</i> , Materials Science and Engeneering B, 176 (2011) 266 – 270.	Punctaj=79,252
Citat de		
1	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.=2,538	20,253 puncte
2	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.=0,799	8,66 puncte
3	S.L. Cheng, J.H. Syu, S.Y. Liao, C.F. Lin, P.Y. Yeh, Growth kinetics and wettability conversion of vertically-aligned ZnO nanowires synthesized by a hydrothermal method, RSC Advances 5(83) (2015) 67752-67758 FI=3,840	28,933 puncte
4	S Sutha, SC Vanithakumari, RP George, UK Mudali, B Raj, KR Ravi, Studies on the influence of surface morphology of ZnO nail beds on easy roll off of water droplets, Applied Surface Science, 347 (2015) 839-848 FI=2,711	21,406 puncte
Articol	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	Punctaj=8,267
Citata de		
1	J. Wu, K.S. Hui, K.N. Hui, L. Li, H.-H. Chun, Y.R Cho, Characterization of Sn-doped CuO thin films prepared by a sol-gel method, Journal of Materials Science: Materials in Electronics, 27(2) (2016) 1719-1724 FI=1,569	8,276 puncte
Articol	A. P. Rambu , D. Sirbu, G. I. Rusu, <i>Influence of the oxidation conditions on the structural characteristics and optical properties of zinc oxide thin films</i> , Journal of Vacuum Science and Technology A 28 (2010) 1344 – 1348.	Punctaj=112,912
Citat de		
1	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	28,96 puncte
2	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) art.no 405301 F.I.= 3,979	29,86 puncte
3	Y.L. Lee, S.F. Chen, C.L. Ho, M.C. Wu, Effects of oxygen plasma post-treatment on Ga-	3,333 puncte

	doped ZnO films grown by thermal-mode ALD, ECS Journal of Solid State Science and Technology, 2(7) (2013) 316- 320	
4	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 ₂ O-thermal ALD Proceedings of SPIE - The International Society for Optical Engineering, 8626 (2013) Article number 86261K F.I=0	3,333 puncte
5	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=3,858	29,053 puncte
6	R. Kumar, G. Kumar, O. Al-Dossary, A. Umar, ZnO nanostructured thin films: Depositions, properties and applications—A review, Materials Express, 5(1) (2015) 3-23 F.I=2,256	18,373 puncte
Articol	G.G. Rusu, A.P. Rambu, V.E. Buta, M.Dobromir, D.Luca, M.Rusu, <i>Structural and optical characterization of Al-doped ZnO films prepared by thermal oxidation of evaporated Zn/Al multilayered films</i> , Material Chemistry and Physics, 123 (2010) 314 – 321	Punctaj=193,675
Citat de		
1	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	8,78 puncte
2	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	3,15 puncte
3	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	8,676 puncte
4	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	8,676 puncte
5	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	7,41 puncte
6	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	7,2 puncte
7	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	6,816 puncte
8	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	6,986 puncte
9	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	1,666 puncte
10	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 F.I=2,072	8,573 puncte
11	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	8,533 puncte

12	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=2,726	10,753 puncte
13	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=1,867	7,89 puncte
14	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=0	1,666 puncte
15	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=0	1,666 puncte
16	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 F.I=0	1,666 puncte
17	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=3,840	14,466 puncte
18	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=0,744	4,146 puncte
19	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=1,730	7,433 puncte
20	M.Ramzan, A.M. Rana, E. Ahmed, A.S. Bhatti, M. Hafeez, A. Ali, M.Y. Nadeem, Optical description of HfO ₂ /Al/HfO ₂ multilayer thin film devices, Current Applied Physics, 14(12) (2014) 1854-1860 F.I=2,212	9,04 puncte
21	G. Li, Z. Wang, Q. Wang, H. Wang, J. Du, Y. Ma, J. He, Effect of oxidation time under high magnetic field on the microstructure and optical properties of oxidized Co-doped ZnO films, Acta Metallurgica Sinica 50(12) (2014) 1538-1542 F.I=0	1,666 puncte
22	RY Yang, CT Pan, CW 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, Advances in Materials and Processing Technologies XV, Book Series: Materials Science Forum, 773-774 (2014) 287-292 F.I=0	1,666 puncte
23	SC Her, TC Chi, Temperature Effect on Optical and Electrical Properties of ZnO Films, Asian Journal of Chemistry, 26(17) (2014) 5599-5601 F.I=0	1,666 puncte
24	E Yucel, S Kahraman, HS Guder, Effects of different annealing atmospheres on the properties of cadmium sulfide thin films, Materials Research Bulletin, 68 (2015) 227-233 FI=2,288	9,293 puncte
25	F. Bayansal, Y. Gülen, B. Şahin, S.Kahraman, H.A Çetinkara, CuO nanostructures grown by the SILAR method: Influence of Pb-doping on the morphological, structural and optical properties, Journal of Alloys and Compounds, 619 (2015) 378-382 F.I=2,999	11,663 puncte
26	G. Li, H. Wang, Q. Wang, Y. Zhao, Z. Wang, J. Du, Y. Ma, Structure and properties of Co-doped ZnO films prepared by thermal oxidation under a high magnetic field, Nanoscale Research Letters, 10(1) (2015) 1-8 F.I=2,779	10,93 puncte
27	M. Sima, L. Mihut, E.Vasile, M. Sima, C.Logofatu, Optical properties of Mn doped ZnO films and wires synthesized by thermal oxidation of ZnMn alloy, Thin Solid Films 590 (2015) 141-147 FI=1,759	7,53 puncte
28	P. Prepelita, V. Craciun, F. Garoi, A.Staicu, Effect of annealing treatment on the structural and optical properties of AZO samples, Applied Surface Science 352 (2015) 23-27 FI=2,711	10,703 puncte
29	S.-C.Her, T.-C. Chi, Optical and electrical performance of zno films textured by chemical	3,366 puncte

	etching, <i>Medziagotyra</i> 21(4) (2015) 502-505	IF=0,510	
Articol	A.P. Rambu , G.I. Rusu, <i>Effect of Preparation Conditions on the Microstructural Characteristics and Optical Properties of Oxidized Zinc Films</i> , <i>Superlattices and Microstructures</i> 47 (2010) 300 – 307		Punctaj=133,38
Citat de			
1	D.I. Rusu, G.G. Rusu, D.Luca, Structural characteristics and optical properties of thermally oxidized zinc films, <i>Acta Physica Polonica A</i> 119(6) (2011) 850-856	F.I.=0,44	9,4 puncte
2	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, <i>Thin Solid Films</i> , 520(14) (2012) 4712-4716	F.I.=1,604	21,04 puncte
3	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, <i>ECS Journal of Solid State Science and Technology</i> , 2(7) (2013) 316- 320	F.I.=0	5 puncte
4	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 ₂ O-thermal ALD, <i>Proceedings of SPIE - The International Society for Optical Engineering</i> , 8626 (2013) Article number 86261K	F.I.=0	5 puncte
5	G. Li, Z. Wang, Q. Wang, H. Wang, J. Du, Y. Ma, J. He, Effect of oxidation time under high magnetic field on the microstructure and optical properties of oxidized Co-doped ZnO films, <i>Acta Metallurgica Sinica</i> 50(12) (2014) 1538-1542	F.I.=0	5 puncte
6	R. Kumar, G. Kumar, O. Al-Dossary, A. Umar, ZnO nanostructured thin films: Depositions, properties and applications—A review, <i>Materials Express</i> 5(1) (2015) 3-23	F.I.=2,256	27,56 puncte
7	G. Li, H. Wang, Q. Wang, Y. Zhao, Z. Wang, J. Du, Y. Ma, Structure and properties of Co-doped ZnO films prepared by thermal oxidation under a high magnetic field, <i>Nanoscale Research Letters</i> , 10(1) (2015) 1-8	F.I.=2,779	32,79 puncte
8	G. Li, H. Wang, Y. Zhao, Q. Wang, K. Wang, Z. Wang, Effect of oxidation temperature and high magnetic field on the structure and optical properties of Co-doped ZnO prepared by oxidizing Zn/Co bilayer thin films, <i>Materials Chemistry and Physics</i> , 162(2015) art.no. 18107, 88-93	FI=2,259	27,59 puncte
Articol	G.G.Rusu, A.P. Rambu , M.Rusu, <i>On the optical properties of heat-treated multilayered Zn/In thin films</i> , <i>Journal of Optoelectronics and Advanced Materials</i> , 10(2) (2008) 339 - 343		Punctaj=26,912
Citat de			
1	K. Lovchinov, O. Angelov, H.Nichev, V.Mikli, D.Dimova-Malinovska, Transparent and conductive ZnO thin films doped with v, <i>Energy Procedia</i> , 10 (2011) 282-286	F.I.=0	3,333 puncte
2	D.I. Rusu, G.G. Rusu, D.Luca, Structural characteristics and optical properties of thermally oxidized zinc films <i>Acta Physica Polonica A</i> 119(6) (2011) 850-856	F.I.=0,44	6,266 puncte
3	R.Abaira, T.Dammak, A.Matoussi, A.Younes, Structural and optical properties of zinc oxide doped by V ₂ O ₅ synthesized by solid-state reaction, <i>Superlattices and Microstructures</i> 91(2016) 365-374	FI=2,097	17,313 puncte
	reviste de specialitate din țară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare		
	monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare		
	monografii academice din țară: 25 puncte / număr autori, pentru fiecare citare		
13	Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)		Punctaj=0
	Străinătate: 25 puncte pentru fiecare activitate		
	Țară: 10 puncte pentru fiecare activitate		
14	Profesor/cercetător invitat la universități/institute de cercetare		Punctaj=0
	străinătate: 25 puncte pentru fiecare activitate		

	țară: 10 puncte pentru fiecare activitate	
15	Editor/Membru în Editorial Board & Advisory Board	Punctaj=0
	reviste cotate Web of Science: editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă	
	reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă	
16	Premii internaționale obținute printr-un proces de selecție	Punctaj=0
17	Premii ale Academiei Române	Punctaj=0
18	Alte premii naționale ale instituțiilor culturale	Punctaj=0
19	Participări la manifestări științifice	Total=30 puncte
	internaționale: președinte comitet organizare/consiliu științific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate	Punctaj=30
	Membru în comitetul de organizare a 9 th International Conference on Physics of Advanced Materials (ICPAM-9), September 20-23, 2012, Iasi, Romania. https://mail.uaic.ro/~icpam/	15 puncte
	Membru în comitetul de organizare a 10 th International Conference on Physics of Advanced Materials (ICPAM-9), September 22-28, 2014, Iasi, Romania. https://www.icpam.ro/	15 puncte
	naționale: președinte comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate	Punctaj=0

Data

Semnatura