

Lista de lucrări

Articole științifice publicate, în extenso, în reviste cotate Web of Science cu factor de impact

- 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
- 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
- 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
- 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
- 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
- 6 **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.=2,538
- 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
- 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
- 9 **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.=2,305
- 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
- 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
- 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
- 13 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
- 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
- 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
- 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
- 17 **A.P. Rambu**, D. Sirbu, N. Iftimie, G.I. Rusu, Polycrystalline ZnO–In₂O₃ thin films as gas sensors, *Thin Solid Films* 520 (2011) 1303–1307. F.I.=1,890
- 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

- 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
- 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
- 21 D.Sirbu, **A.P.Rambu**, G.I.Rusu, Microstructure, wettability and optical characteristics of ZnO/In₂O₃ thin films, Materials Science and Engineering B 176 (2011) 266 – 270. F.I=1,518
- 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
- 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
- 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
- 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
- 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
- 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
- 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

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Data

Semnatura