

STANDARDE MINIMALE PE DOMENII PENTRU FUNCȚII DE CERCETARE – perioadă determinată

	Funcția de cercetare
	Cercetător Științific
Departamentul Interdisciplinar Științe	<ul style="list-style-type: none"> - minim 1 articol din domeniul științific al postului, publicat în calitate de autor principal, cu AIS ≥ 1. - suma AIS din toate publicațiile în calitate de autor principal să fie minim 2.
	<p>A.P. Rambu, N.Iftimie, V.Nica, M.Dobromir, S.Tascu, Optimization of surface-to-volume ratio in view of efficient gas detection via Co doping of ZnO thin films, PLOS ONE (în curs de publicare - under review), AIS=1,545</p> <p>A.P.Rambu, N.Iftimie, Synthesis and characterization of thermally oxidized ZnO films, Bulletin of Materials Science 37(3) (2014) 441-448, AIS=0,292</p> <p>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, AIS=0,796</p> <p>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 AIS=0,539</p> <p>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, AIS=0,344</p> <p>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, AIS=0,590</p> <p>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, AIS=0,292</p> <p>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, AIS=0,496</p> <p>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, AIS=0,590</p> <p>A.P.Rambu, The influence of oxidation time on the properties of oxidized zinc films, Superlattices and Microstructures, 52 (2012) 577-584, AIS=0,344</p> <p>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 AIS=0,535</p> <p>A.P. Rambu, D. Sirbu, N. Iftimie, G.I. Rusu, Polycrystalline ZnO–In₂O₃ thin films</p>

	<p>as gas sensors, Thin Solid Films, 520 (2011) 1303–1307, AIS=0,595</p> <p>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, AIS=0,453</p> <p>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, AIS=0,344</p> <p style="text-align: right;">Total AIS=7,755</p>
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