

LISTA DE LUCRARI

(a) Teza de doctorat

Dinamica de spin investigata prin Rezonanta Magnetica in materiale cu magnetorezistenta colosala

Conducator Stiintific: prof. Dr. Gheorghe Ilonca

(b) Carti

Dinamica de spin investigata prin RES in manganiti cu magnetorezistenta colosala

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Editura: Presa Universitara Clujeana, ISBN: 978-973-610-927-0

(c) Articole publicate in reviste de specialitate

1. X.Filip, N.M.Grecu, Al.Darabont, L.V.Giurgiu, O.Raita and J.Blasco
"An EPR investigation of giant magnetoresistive perovskites doped with diamagnetic ions"
Studia , Physica, Special Issue, p355, (2001)
2. C. Neamtu , Al.Darabont , Gh.Borodi , O. Raita
"Single crystal growth and some physical properties of $CeCl_3 \cdot 7H_2O$ "
Studia , Physica, Special Issue , p 488,(2001)
3. D.Gavre, G.Mihailescu, O.Raita, E.Indrea, S.Pruneanu, J.Rahmer and L.V.Giurgiu
Conduction ESR of Pt – Nanoparticles in Porous Al_2O_3 membranes
J.Optoelec.& Adv.Materials,5, 347, (2003)
4. O.Raita, M.N.Grecu, X.Filip, Al.Darabont, D.Gavre, J.Blasco and L.V.Giurgiu
Effects of In Doping Investigated by ESR in Colossal magnetoresistive Manganite $La_{2/3}Ca_{1/3}MnO_3$
J.Optoelec.& Adv.Materials,5, 289, (2003)
5. L.V.Giurgiu , D.Gavre, G.Mihailescu, O.Raita, E.Indrea, S.Pruneanu and J.Rahmer
Size distribution and Electron Magnetic Resonance of Platinum particles in nanoporous Al_2O_3 membranes
Rom.Journal of Physics,48, 485, (2003)
6. L.V.Giurgiu , M.N.Grecu ,O.Raita, X.Filip, Al.Darabont , D.Gavre and J.Blasco
Effects of Al- doping as seen by EMR in Colossal Magnetoresistive Manganite $La_{2/3}Ca_{1/3}MnO_3$
Rom.Journal of Physics , 48, 491, (2003)
7. D. Toloman, C. Tripon, I. Bratu, O. Raita, L.M. Giurgiu and I. Ardelean
Spectroscopic studies of some phosphate glasses with manganese ions
Studia Universitatis Babes-Bolyai, Physica, L4a, 487 (2005)
8. L.V.Giurgiu, M.N.Grecu, X.Filip, O.Raita, Al.Darabont ,D.Gavre and J.Blasco
Spin dynamics investigated by EPR in the paramagnetic regime of $La_{2/3}Ca_{1/3}Mn_{1-x}M_xO_3$ ($M = Al, In$) manganites
Appl. Mag.Reson. 24, 217, (2003)

9. L.M.Giurgiu, M.N.Grecu, Al.Darabont, O.Raita, X.Filip, O.Pana and D.Toloman
"EPR Investigation of Nanosized $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ Manganites"
 Appl. Mag.Reson., 27, 139 (2004)

10. O. Raita, M.N. Greu, X. Filip, D. Toloman, L.M. Giurgiu, S. Idziak, S. K. Hoffmann
Influence of the grains size on the polaron transport in nanostructured $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ evidenced by EPR
 Acta Physica Polonica 108, 113, (2005)

11. Speranta Tanasescu, Cornelia Marinescu, Florentina Maxim, Oana Raita,
 Maria-Nicoleta Grecu, Liviu Giurgiu
Thermodynamic properties and spin dynamics of some micro and nanostructured magnetoresistive lanthanum manganites
 J. European Chem.Soc. 26, 3005 (2006).

12. D. Toloman, G. Mihailescu, Al. Darabont, C. V. L. Pop, L. Olenic, A. Popa, O. Raita, M..
 Jivanescu, M. N. Grecu, L. M. Giurgiu, S. Idziak, S. K. Hoffmann
 Synthesis and Electron spin resonance of $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ nanowires
 J.Optoelect.&Adv.Mat, 8, nr. 2, (2006) 467 - 469,

13. A.Popa, D.Toloman, M.N.Grecu, G. Mihailescu, Al. Darabont, C.V.L.Pop, O. Raita, M.Fardis, S.Idziak, S.K. Hoffmann and L. M. Giurgiu
 Polaron activation energy as evidenced by EMR in CMR nanowires
 Applied Magnetic Resonance, 34, (2008) 21-26,

14. O.Raita, D.Toloman, A.Popa, M.Stan, Al.Darabont and L.M.Giurgiu
 EPR investigations of $\text{Sn}_{1-x}\text{Fe}_x\text{O}_2$ nanopowders
 Journal of Physics: Conference Series 182 (2009) 012076

15. A.Popa, M. Jivanescu, D Toloman, O. Raita, L. M. Giurgiu
 Ferromagnetic resonance measurements on Co nanowires
 Journal of Physics: Conference Series 182 (2009) 012073

16. D. Toloman, A.R. Biris, A. Popa, O. Raita, L.M. Giurgiu
 Raman and EPR studies of calcium- phosphate glasses doped with manganese ions
 Journal of Physics: Conference Series 182 (2009) 012032

17. O. Raita, A. Popa, D. Toloman, M. Stan, A. Darabont, L. Giurgiu
 Co^{2+} Ions in ZnO powders as seen by Magnetic Resonance
 Appl Magn Reson 40, (2011), 245–250

18. A. Popa, O. Raita, D. Toloman, M. Stan, G. Borodi, Al. Darabont, L. M. Giurgiu
 The Influence of the Annealing Temperature on the Properties of $\text{Sn}_{1-x}\text{Fe}_x\text{O}_2$ Powders
 Evidenced by EMR Spectroscopy
 Appl Magn Reson 40 (2011), 261–266

19. S. Dreve, I Kacso, A.Popa, O.Raita, F.Dragan, A.Bende, G. Borodi, I. Bratu
 Structural investigation of chitosan- based microspheres with some anti- inflammatory drugs
 Journal of Molecular Structure 997 (2011) 78-86

20. A. Popa, D. Toloman, O. Raita, A. R. Biris, G. Borodi, T. Mustafa, F. Watanabe, A. S. Biris, A. Darabont, L. M. Giurgiu
Co doped ZnO semiconductor materials: structural, morphological and magnetic properties
Cent. Eur. J. Phys. 9(6) (2011) 1446-1451
21. R. Stefan, P. Pascuta, A. Popa, O. Raita, E. Indrea, E. Culea
XRD and EPR structural investigation of some zinc borate glasses doped with iron ions
Journal of Physics and Chemistry of Solids, 73, (2012) 221-226
22. S. Dreve, I. Kacso, A. Popa, O. Raita, A. Bende, Gh. Borodi, I. Bratu
Chitosan-Based Nanocarriers For Antimalarials
AIP Conf. Proc. 1425, 17-21 (2012)
23. Dehelean A., Rada S, Danciu V., Culea E., Stan M. Popa A.; Raita O.
Spectroscopic Studies Of Copper Ions Doped In Tellurate Glasses Obtained By Sol - Gel Method
AIP Conference Proceedings , 1425, 65-68 (2012)
24. A. Popa, O. Raita, M. Stan, O. Pana, G. Borodi, L. M. Giurgiu
Electron Paramagnetic Resonance of Mn-Doped $\text{Sn}_{1-x}\text{Mn}_x\text{O}_2$ Powders
Appl Magn Reson (2012) 42,453–462
25. O. Raita , A. Popa, M. Stan, R. C. Suci, A. Biris, L. M. Giurgiu
Effect of Fe Concentration in ZnO Powder on Ferromagnetic Resonance Spectra
Appl Magn Reson (2012) 42:499–509
26. A. Popa , D. Toloman, O. Raita, M. Stan, B.S. Vasile, C. Leostean, L.M. Giurgiu
Spin dynamics evidenced by EPR in $\text{Sn}_{1-x}\text{Mn}_x\text{O}_2$ nanoparticles annealed at different temperatures
Journal of Alloys and Compounds 551 (2013) 300–305
27. Toloman, A. Mesaros, A. Popa, O. Raita, T.D. Silipas, B.S. Vasile, O. Pana, L.M. Giurgiu
Evidence by EPR of ferromagnetic phase in Mn-doped ZnO nanoparticles annealed at different temperatures
Journal of Alloys and Compounds 551 (2013) 502–507
28. A. Popa , D. Toloman , O. Raita , M. Stan , A. R. Biris and L. M. Giurgiu
The influence of annealing atmosphere on the properties of $\text{Zn}_{1-x}\text{Co}_x\text{O}$ powders as seen by EPR spectroscopy
AIP Conf. Proc. **1565**, 246 (2013);
29. O. Raita , A. Popa , D. Toloman , M. Stan and L. M. Giurgiu
Magnetic resonance investigation of $\text{Zn}_{1-x}\text{Fe}_x\text{O}$ properties influenced by annealing atmosphere
AIP Conf. Proc. 1565, 255 (2013);
(Factor impact = 0)
30. D. Toloman , A. Popa , O. Raita , M. Stan , T. D. Silipas and L. M. Giurgiu
Properties of Mn-doped ZnO particles annealed in different atmospheres
AIP Conf. Proc. 1565, 269 (2013);

31. A. Popa, D. Toloman, O. Raita, M. Stan, O. Pana, T.D. Silipas, L.M. Giurgiu
Ferromagnetic behaviour of vanadium doped SnO₂ nanoparticles annealed at different temperatures
Journal of Alloys and Compounds 591 (2014) 201–206
32. D. Toloman, A. Popa, O. Raita, M. Stan, R. Suci, M.O. Miclaus, A.R. Biris
Luminescent properties of vanadium-doped SnO₂ nanoparticles
Optical Materials 37 (2014) 223–228
33. A. Okos, C. Colin, C. Darie, O.Raita , P. Bordet, A. Pop
Structure and magnetic properties of the layered perovskite PbVO₃
J Alloys Comp. 602, 265-268, (2014)
35. Mocan A , Crisan G., Vlase L, Crisan O ; Vodnar DC , Raita O. ; Gheldiu, AM ; Toiu, A ; Oprean, R ; Tilea, I
Comparative Studies on Polyphenolic Composition, Antioxidant and Antimicrobial Activities of Schisandra chinensis Leaves and Fruits
Molecules, 19, 9, 15162., (2014)
36. Toloman D ; Popa A ; Raita O; Stan M ; Suci R ; Miclaus MO; Biris AR
Luminescent properties of vanadium-doped SnO₂ nanoparticles
Optical Materials, 37,223, (2014)
37. Popa A ; Raita O ; Toloman D
Antioxidant activity of medicinal tea evidenced by electron spin resonance
Romanian Journal of Physics, 60,1501, (2015)
38. Raita O. ; Popa, A ; Toloman, D ; Badilita, V ; Piticesu, RR ;Giurgiu, LM
Superparamagnetic behavior of ZnFe₂O₄ nanoparticles as evidenced by EPR
Journal of Optoelectronics and advanced materials, 17,1314, (2015)