

LISTA LUCRĂRILOR ȘTIINȚIFICE

Conf. Dr. Rareș Ionuț ȘTIUFIUC

1. C. Iacovita, A. Florea, R. Dudric, E. Pall, A. I. Moldovan, R. Tetean, **R. Știufiuc**, C. M. Lucaciu, *Small versus large iron oxide magnetic nanoparticles: Hyperthermia and cell uptake properties*, *Molecules* **21** (10), 1357, (2016) [IF=2.416, prezent în Q1&Q2];
2. A. Farcaș, C. Iacoviță, E. Vințeler, V. Chiș, **R. Știufiuc**, C. M. Lucaciu, *The Influence of Molecular Structure Modifications on Vibrational Properties of Some Beta Blockers: A Combined Raman and DFT Study*, *Journal of Spectroscopy*, Volume **2016**, (2016) [IF=0.538];
3. C. Iacovita, G. Știufiuc, A. Florea, **R. Știufiuc**, and CM Lucaciu, *Ultraviolet light assisted synthesis of magnetoplasmonic nanoparticles*, *Digest Journal of Nanomaterials and Biostructures*, **10**, 4, 1215, (2015) [IF=1.123];
4. C. Iacovita, **R. Știufiuc**, T. Radu, A. Florea, G. Știufiuc, AG. Dutu, S. Mican, R. Tetean, and CM Lucaciu, *Polyethylene Glycol-Mediated Synthesis of Cubic Iron Oxide Nanoparticles with High Heating Power*, *Nanoscale Research Letters*, **10**, 391 (2015) [IF=2.481, prezent în Q1];
5. **R. Știufiuc**, C. Iacovita, G. Știufiuc, A. Florea, M. Achim, and CM Lucaciu, *A new class of pegylated plasmonic liposomes: synthesis and characterization*, *Journal of Colloid and Interface Science*, 437, 17 (2015) [IF=3.552, prezent în Q1&Q2];
6. **R. Știufiuc**, C. Iacovita, G. Știufiuc, E. Bodoki, V. Chiș, and CM Lucaciu, *Surface mediated chiral interactions between cyclodextrins and propranolol enantiomers: A SERS and DFT study*, *Physical Chemistry Chemical Physics*, 17, 1281 (2015) [IF=4.198, prezent în Q1];
7. **R. Știufiuc**, C. Iacovita, R. Nicoara, G. Știufiuc, A. Florea, M. Achim, and CM Lucaciu, *One-Step Synthesis of PEGylated Gold Nanoparticles with Tunable Surface Charge*, *Journal of Nanomaterials*, **2013**, 146031 (2013) [IF=1.611];

8. **R. Ştiufiuc**, C. Iacovita, CM. Lucaciu, G. Stiuftiuc, AG. Dutu, C. Braescu and N. Leopold, *SERS-active silver colloids prepared by reduction of silver nitrate with short-chain polyethylene glycol*, *Nanoscale Research Letters*, **8**, 47 (2013) [IF = 2.726, prezent în Q1];
9. **R. Ştiufiuc**, C. Iacovita, CM Lucaciu, G. Stiuftiuc, R. Nicoara, M. Oltean, V. Chis, E. Bodoki, *Adsorption geometry of propranolol enantiomers on silver nanoparticles*, *Journal of Molecular Structure*, **1031**, 201 (2013) [IF=1.634];
10. Bodoki E., Oltean M., Bodoki A., **Ştiufiuc R.**, *Chiral recognition and quantification of propranolol enantiomers by surface enhanced Raman scattering through supramolecular interaction with beta-cyclodextrin*, *Talanta*, **101**, 53 (2012) [IF=3.722, prezent în Q1];
11. C. Iancu, L. Mocan, C. Bele, A. Orza, F. Tabaran, C. Catoi, **R. Ştiufiuc**, A. Stir, C. Matea, D. Iancu, L. Agoston-Coldea, F. Zaharie, T. Mocan, *Enhanced laser thermal ablation for the in vitro treatment of liver cancer by specific delivery of multiwalled carbon nanotubes functionalized with human serum albumin*, *International Journal of Nanomedicine*, **6**, 129 (2011) [IF=2.612, prezent în Q1&Q2];
12. L. Mocan, F. Tabaran, T. Mocan, C. Bele, A. Orza, C. Lucan, **R. Ştiufiuc**, I. Manaila, I. Ferencz, D. Iancu, F. Zaharie, G. Osian, L. Vlad, C. Iancu, *Selective ex-vivo photothermal ablation of human pancreatic cancer with albumin functionalized multiwalled carbon nanotubes*, *International Journal of Nanomedicine*, **6**, 915 (2011) [IF=2.612, prezent în Q1&Q2];
13. **Ştiufiuc R.**, Perdigoão L. M. A., Grandidier B., Deresmes D., Allan G., Delerue C., Stiévenard D., Beton P. H., Erwin S.C., Sassi M., Oison V., Debierre J-M., *Above-barrier surface electron resonances induced by a molecular network*, *Physical Review B* **81**, 45421 (2010) [IF=3.322, prezent în Q1];
14. Chis V., Mile G., **Ştiufiuc R.**, Leopold N., Oltean M., *Vibrational and electronic structure of PTCDI and melamine-PTCDI complexes*, *Journal of Molecular Structure* **47** 924-926, (2009) [IF=1.486];
15. **R. Ştiufiuc**, F. Toderas, M. Iosin, G. Ştiufiuc, *Anisotropic Gold Nanocrystals: synthesis and characterization*, *Int. J. of Mod. Phys. B*, **24**, 6-7, 757-761, (2010) [IF=0.558];
16. **R. Ştiufiuc**, B. Grandidier, G. Ştiufiuc, *STM/STS investigation of silicon adatoms*, *Optoelectronics and Advanced Materials, Rapid Communications* **3**, 1005-1007, (2009) [IF=0.224];

17. Jdira L., Overgaag K., **Ştiufiuc R.**, Grandidier B., Delerue C., Speller S., Vanmaekelbergh D., *Linewidth of resonances in scanning tunneling spectroscopy*, Physical Review B **77**, 205308 (2008) [IF=3.107, present in Q1];
18. M. Berthe, **R. Ştiufiuc**, B. Grandidier, D. Deresmes, C. Delerue, D. Stievenard, *Probing the carrier capture rate of a single quantum level*, Science **318**, 436 (2008) [IF=30.028, present in Q1];
19. T. Soubiron, **R. Ştiufiuc**, L. Patout, D. Deresmes, B. Grandidier, and D. Stievenard, *Transport limitations and Schottky barrier height in titanium silicide nanowires grown on the Si(111) surface*, Appl. Phys. Lett. **90**, 102112 (2007) [IF=4.127, present in Q1];
20. **R. Ştiufiuc**, T. Soubiron, B. Grandidier, D. Deresmes, *Electronic and structural properties of titanium silicide nanostructures formed on Si(111) 7x7 reconstructed surface*, Journal of Optoelectronics and Advanced materials **9** (3), 591-594, (2007) [IF=1.138, present in Q1&Q2];
21. H. Raffy, C. Murrils, A. Pomar, G. Stiuftiuc, **R. Ştiufiuc**, Z.Z. Li, *Anisotropy and vortex behaviour in BiSrCaCuO thin films and multilayers probed by columnar pinning centers*, Phys. Stat. Sol. (a), **203**, 11, 2938 (2006) [IF=1.221];
22. G. Ilonca, S. Patapis, E. Macocian, F. Beiusan, T. Jurcut, G. Stiuftiuc, **R. Ştiufiuc**, *Synthesis, Magnetic and Transport Properties of Ru_{1-x}Sb_xSr₂GdCuO₈ Compounds*, Int. Journal of Modern Physics B, Vol. **18**, 15, 2177 (2004) [IF=0.94];
23. **R. Ştiufiuc**, G. Stiuftiuc, E. Macocian, G. Ilonca, *Self Doping Effect Observed on Heavy Irradiated Bi: 2212 Thin Films*, Int. J. Mod. Phys. B, Vol.**18**, 15, 2203 (2004) [IF=0.94];
24. **R. Ştiufiuc**, G. Stiuftiuc, E. Macocian, G. Ilonca, *Anomalous Normal State Properties of Underdoped Bi: 2212 Thin Films*, Int. J. Mod. Phys. B, Vol.**18**, 15, 2209 (2004) [IF=0.94];
25. T.R. Yang, G. Ilonca, A.V. Pop, **R. Ştiufiuc** and O. Furdui, *Superconductivity of MgB₂ wires*, Physica C **125**, 388-389, (2003) [IF=0.94];
26. G. Ilonca, T.R. Yang, A. V. Pop, G. Stiuftiuc, **R. Ştiufiuc** and C. Lung, *Critical Currents of Bi: 2212 Doped by Fe and Ni*, Physica C **425**, 388-389, (2003) [IF=0.94];
27. G. Ilonca, A.V. Pop, M. Ilonca, E. Macocian, T. Jurcut, **R. Ştiufiuc** and V. Toma, *Galvanomagnetic Effects and Electronic Specific Heat of Bulk La_{2-x}Ba_xCu_{1-y}Zn_yO_{4+d}*, Int. J. Mod. Phys. B, Vol. **16**, 1-8, (2002) [IF=0.94];

28. G. Ilonca, A.V. Pop, G. Ştiufiuc, C. Lung, **R. Ştiufiuc**, *Activation Energy of $\text{Bi}_2\text{Sr}_2\text{Ca}(\text{Cu}_{1-x}\text{Fe}_x)_2\text{O}_{8+d}$ Thin Films*, Modern Physics Letters B, Vol. **15**, no. 22, 959 (2001) [IF=0.75];
29. G. Ilonca, A. V. Pop, G. Ştiufiuc, **R. Ştiufiuc** and C. Lung, *Transport Phenomena in the Mixed State of $(\text{Bi}_{1.6}\text{Pb}_{0.4})\text{Sr}_2\text{Ca}_2(\text{Cu}_{1-x}\text{Ga}_x)_3\text{O}_y$ Bulk*, Modern Physics Letters B, vol. **15**, No. 23, 1041 (2001) [IF=0.75];
30. G. Ilonca, A. V. Pop, T. Jurcut, E. Mococean, C. Beiuseanu, C. Lung, G. Ştiufiuc, **R. Ştiufiuc**, M. Ye and R. Deltour, *Magnetic Field and Temperature Dependence of the Thermal activated dissipation in Epitaxial Thin Films of $\text{YBa}_2(\text{Cu}_{1-x}\text{Zn}_x)_3\text{O}_{7-d}$* , Modern Physics Letters B, Vol. **15**, No. 22, 949 (2001) [IF=0.75];
31. G. Ilonca, A.V. Pop, **R. Ştiufiuc**, G. Stiuftuc C. Lung and S. Patapis, *Transport Phenomena in Mixed State and Fluctuation Regime in $(\text{Bi}_{1.6}\text{Pb}_{0.4})\text{Sr}_2\text{Ca}_{1-x}\text{Ho}_x(\text{Cu}_{1-y}\text{Zn}_y)_2\text{O}_{8+d}$* , Modern Physics Letters B, Vol. **15**, No. 21, 929 (2001) [IF=0.75];
32. G. Ilonca, A.V. Pop, TR Yang, T. Jurcut, C. Lung, G. Stiuftuc, **R. Ştiufiuc**, and I. A. Panfilescu, *Transport Properties and AC Susceptibility of $(\text{Bi}_{1.6}\text{Pb}_{0.4})\text{Sr}_2\text{Ca}_2(\text{Cu}_{1-x}\text{Co}_x)_3\text{O}_y$ Superconductors*, International Journal of Inorganic Materials (3) **7**, 763 (2001);
33. G. Ilonca, A.V. Pop, T. R. Yang, I. Gr. Deac, C. Lung, **R. Ştiufiuc** and G. Ştiufiuc, *Effects of Rare Earth Ions Substitution for Ca in $(\text{Bi},\text{Pb})_2\text{2223}$ Superconductors*, International Journal of Inorganic Materials (3) **7**, 769 (2001);
34. G. Ilonca, A.V. Pop, T. Jurcut, M. Ilonca, I.D. Tulai, C. Lung, G. Ştiufiuc and **R. Ştiufiuc**, *Galvanomagnetic Effects of Bi:2212 Doped with Gd and Zn Epitaxial Thin Films*, Balkan Phys. Lett., Bulgarian Journal of Physics **27** Supplement 1, 178 (2000) [BDI];
35. G. Ilonca, A.V. Pop, T. Jurcut, C. Lung, I.D. Tulai, I. Matei, **R. Ştiufiuc**, G. Stiuftuc and N. Dulamita, *Hall Effect, Electrical Resistivity and AC Susceptibility of $(\text{Bi}_{1.6}\text{Pb}_{0.4})\text{Sr}_2\text{Ca}_2(\text{Cu}_{1-x}\text{Co}_x)_3\text{O}_y$ Superconductors*, Balkan Phys. Lett., Bulgarian Journal of Physics **27** Supplement 2, 29 (2000) [BDI];
36. A.V. Pop, Gh. Ilonca, C. Lung, G. Stiuftuc, **R. Ştiufiuc** and R. Deltour, *The Influence of Atomic substitution on the Intergrain Vortex Pinning of Bulk $(\text{Bi},\text{Pb})(\text{Sr},\text{Ba})$ Superconductor*, Balkan Phys. Lett, Bulgarian Journal of Physics **27** Supplement 2, 41 (2000) [BDI];
37. G. Ilonca, A.V. Pop, C. Lung, **R. Ştiufiuc**, G. Stiuftuc and I. Matei, *Structural Properties of $(\text{Bi},\text{Pb})_2(\text{Sr},\text{Ba})_2(\text{Ca}_{1-x}\text{RE}_x)\text{Cu}_3\text{O}_y$ Bulk Superconductor*, Balkan Phys. Lett., Bulgarian Journal of Physics **27** Supplement 2, 25 (2000) [BDI];

- 38.** G. Ilonca, A.V. Pop, T. Jurcut, C. Lung, G. Ştiufiuc, **R. Ştiufiuc**, O. Furdui, E. Mococeanu and R. Deltour, *Transport Phenomena in $La_{2-x}Ba_xCuO_y$ Epitaxial Thin Films*, Mod. Phys. Lett. B, Vol. **14**, 17-18, 639 (2000) [IF=0.75].