Marcin Runowski

Lista publikacji
z dnia 31 października 2014

Publikacje w czasopismach

1. Shyichuk A., Runowski M., Lis S., Kaczkowski J., Jezierski A., 2014, ***Semi-empirical and DFT computations of the influence of Tb(III) dopant on unit cell dimensions of cerium(III) fluoride***, *J. Comput. Chem.*, doi: 10.1002/jcc.23789

2. Runowski M., Grzyb T., Zep A., Krzyczkowska P., Gorecka E., Giersig M., Lis S., 2014, ***Eu^{3+} and Tb^{3+} doped $LaPO_4$ nanorods, modified with luminescent organic compound, exhibiting tunable multicolour emission***, *RSC Advances*, 4, 46305-46312

3. Runowski M., Ekner-Grzyb A., Mrówczyńska L., Balabhadra S., Grzyb T., Paczesny J., Zep A., Lis S., 2014, ***Synthesis and Organic Surface Modification of Luminescent, Lanthanide-Doped Core/Shell Nanomaterials (LnF_3@SiO_2@NH_2@Organic Acid) for Potential Bioapplications: Spectroscopic, Structural, and in Vitro Cytotoxicity Evaluation***, *Langmuir,* 30, 9533–9543

4. Grzyb T., Runowski M., Lis S., 2014, ***Facile synthesis, structural and spectroscopic properties of GdF_3:Ce^{3+}, Ln^{3+}(Ln^{3+} = Sm^{3+}, Eu^{3+}, Tb^{3+}, Dy^{3+}) nanocrystals with bright multicolor luminescence***, *J. Lumin.,* 154, 479-486

5. Runowski M., Balabhadra S., Lis S., 2014, ***Nanosized complex fluorides based on Eu^{3+} doped Sr_2LnF_7 (Ln = La, Gd)***, *J. Rare Earths,* 32, 242-247

6. Runowski M., Lis S., 2014, ***Preparation and photophysical properties of luminescent nanoparticles based on lanthanide doped fluorides (LaF_3:Ce^{3+}, Gd^{3+}, Eu^{3+}), obtained in the presence of different surfactants***, *J. Alloys Compd.*, 597, 63–71

7. Runowski M., Dąbrowska K., Grzyb T., Miernikiewicz P., Lis S., 2013, ***Core/shell-type nanorods of Tb^{3+}-doped $LaPO_4$, modified with amine groups, revealing reduced cytotoxicity***, *J. Nanopart. Res.*, 15, 2068–2083

8. Grzyb T., Runowski M**.**, Dąbrowska K., Giersig M., Lis S., 2013, ***Structural, spectroscopic and cytotoxicity studies of TbF_3@CeF_3 and TbF_3@CeF_3@SiO_2 nanocrystals***, *J. Nanopart. Res.*, 15, 1958–1972

9. Grzyb T., Runowski M**.**, Szczeszak A., Lis S., 2013, ***Structural, morphological and spectroscopic properties of Eu^{3+} doped rare earth fluorides synthesized by hydrothermal method***, *J. Solid State Chem*., 200, 76–83

10. Runowski M., Grzyb T., Lis S., 2012, ***Magnetic and luminescent hybrid nanomaterial based on Fe_3O_4 nanocrystals and $GdPO_4$:Eu^{3+} nanoneedles***, *J. Nanopart. Res.*, 14, 1188-1195

11. Grzyb T., Runowski M**.**, Szczeszak A., Lis S., 2012, ***Influence of the matrix on the luminescent and structural properties of glycerin capped, Tb^{3+} doped fluoride nanocrystals***, *J. Phys. Chem. C*, 116, 17188−17196

12. Clifford S. E., Runowski M., Parthasarathy N., Besnard C., Melich X., Williams A. F., 2012, ***Unusual solidification and phosphate binding to benzimidazole cations in the presence of water***, *New J. Chem.,* 36, 823–829

13. Runowski M., Grzyb T., Lis S., 2011, ***Bifunctional luminescent and magnetic core/shell type nanostructures Fe_3O_4@CeF_3:Tb^{3+}/SiO_2***, *J. Rare Earths*, 29, 1117-1122

14. Runowski M., 2014, ***Nanotechnology – nanomaterials, nanoparticles and multifunctional core/shell type nanostructures*** *(Nanotechnologia – nanomateriały, nanocząstki i wielofunkcyjne nanostruktury typu rdzeń/powłoka)*, *Chemik*, 68 (9), 766-775