

Marcin Runowski

Lista publikacji

z dnia 31 października 2015

Publikacje w czasopismach

1. Grzyb T., Mrówczyńska L., Szczeszak A., Śniadecki Z., Runowski M., Idzikowski B., Lis S., 2015, **Synthesis, characterization and cytotoxicity in human erythrocytes of multifunctional, magnetic and luminescent nanocrystalline rare earth fluorides**, *J. Nanopart. Res.*, 17, 399-416
2. Kubasiewicz K., Runowski M., Lis S., Szczeszak A., 2015, **Synthesis, structural and spectroscopic studies on GdBO₃:Yb³⁺/Tb³⁺@SiO₂ core-shell nanostructures**, *J. Rare Earths*, 33, 1148-1154
3. Runowski M., Lis S., 2016, **Synthesis, surface modification/decoration of luminescent-magnetic core/shell nanomaterials, based on the lanthanide doped fluorides (Fe₃O₄/SiO₂/NH₂/PAA/LnF₃)**, *J. Lumin.*, 170, 484-490
4. Szczeszak A., Ekner-Grzyb A., Runowski M., Mrówczyńska L., Grzyb T., Lis S., 2015, **Synthesis, photophysical analysis, and in vitro cytotoxicity assessment of the multifunctional (magnetic and luminescent) core@shell nanomaterial based on lanthanide-doped orthovanadates**, *J. Nanopart. Res.*, 17, 143-153
5. Shyichuk A., Runowski M., Lis S., Kaczkowski J., Jezierski A., 2015, **Semi-empirical and DFT computations of the influence of Tb(III) dopant on unit cell dimensions of cerium(III) fluoride**, *J. Comput. Chem.*, 36, 193-199
6. Runowski M., Grzyb T., Zep A., Krzyczkowska P., Gorecka E., Giersig M., Lis S., 2014, **Eu³⁺ and Tb³⁺ doped LaPO₄ nanorods, modified with luminescent organic compound, exhibiting tunable multicolour emission**, *RSC Advances*, 4, 46305-46312
7. 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 (LnF₃@SiO₂@NH₂@Organic Acid) for Potential Bioapplications: Spectroscopic, Structural, and in Vitro Cytotoxicity Evaluation**, *Langmuir*, 30, 9533-9543
8. Grzyb T., Runowski M., Lis S., 2014, **Facile synthesis, structural and spectroscopic properties of GdF₃:Ce³⁺, Ln³⁺ (Ln³⁺ = Sm³⁺, Eu³⁺, Tb³⁺, Dy³⁺) nanocrystals with bright multicolor luminescence**, *J. Lumin.*, 154, 479-486
9. Runowski M., Balabhadra S., Lis S., 2014, **Nanosized complex fluorides based on Eu³⁺ doped Sr₂LnF₇ (Ln = La, Gd)**, *J. Rare Earths*, 32, 242-247

10. Runowski M., Lis S., 2014, **Preparation and photophysical properties of luminescent nanoparticles based on lanthanide doped fluorides ($\text{LaF}_3:\text{Ce}^{3+}$, Gd^{3+} , Eu^{3+}), obtained in the presence of different surfactants**, *J. Alloys Compd.*, 597, 63–71
11. 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
12. Grzyb T., Runowski M., Dąbrowska K., Giersig M., Lis S., 2013, **Structural, spectroscopic and cytotoxicity studies of $\text{TbF}_3@\text{CeF}_3$ and $\text{TbF}_3@\text{CeF}_3@\text{SiO}_2$ nanocrystals**, *J. Nanopart. Res.*, 15, 1958–1972
13. 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
14. Runowski M., Grzyb T., Lis S., 2012, **Magnetic and luminescent hybrid nanomaterial based on Fe_3O_4 nanocrystals and $\text{GdPO}_4:\text{Eu}^{3+}$ nanoneedles**, *J. Nanopart. Res.*, 14, 1188–1195
15. 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
16. 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
17. Runowski M., Grzyb T., Lis S., 2011, **Bifunctional luminescent and magnetic core/shell type nanostructures $\text{Fe}_3\text{O}_4@\text{CeF}_3:\text{Tb}^{3+}/\text{SiO}_2$** , *J. Rare Earths*, 29, 1117–1122
18. 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