

Łukasz Marciniak

Lista publikacji

z dnia 31 października 2014

Publikacje w czasopismach

1. Strek W., Cichy B., Radosinski L., Gluchowski P., Marciniak L., Lukaszewicz M., Hreniak D., 2015, **Laser induced white-light emission from graphene ceramics – opening bandgap in graphene**, *Light Science and Applications*, 4, e237+8.
2. Marciniak L., Strek W., Hreniak D., Guyot Y., 2014, **Temperature of anti-Stokes white emission in LiYbP₄O₁₂:Er nanocrystals**, *Applied Physics Letters*, 105, 173113-1-173113-4.
3. Marciniak L., Stefanski M., Tomala R., Hreniak D., Strek W., 2015, **Size effect in luminescent properties of LiNdP₄O₁₂ nanocrystals**, *Optical Materials*, 4, 17-20.
4. Wiglusz R., Marciniak L., Pazik R., Strek W., 2014, **Structural and spectroscopic characterization of Nd³⁺-doped YVO₄ yttrium orthovanadate nanocrystalline**, *Crystal Growth and Design*, 14, 5512-5520.
5. Cichos J., Marciniak L., Hreniak D., Stręk W., Karbowski M., 2014, **The effect of surface ligand, solvent and Yb³⁺ co-doping on luminescence properties of Er³⁺ in colloidal NaGdF₄ nanocrystals**, *Journal of Material Chemistry C*, 2, 8244-8251.
6. Marciniak L., Strek W., Guyot Y., Hreniak D., 2014, **Synthesis and luminescent properties of La_{1-x}Nd_xP₅O₁₄ nanocrystals**, *Physical Chemistry Chemical Physics*, 16 18004-18009.
7. Saladino M. L., Chillura Martino D. F., Floriano M. A., Hreniak D., Marciniak Ł., Strek W., Caponetti E., 2014, **Ce: Y₃Al₅O₁₂-polymethylmethacrylate Composite for White Light Emitting Diode**, *Journal of Physical Chemistry C*, 118, 9107-9113.
8. Marciniak L., Hreniak D., Strek W., 2014 **Controlling luminescence colour through concentration of Dy³⁺ ions in LiLa_{1-x}Dy_xP₄O₁₂ nanocrystals**, *Journal of Material Chemistry C* 2, 5704-5708.
9. Shuvaev S., Utochnikova V., Marciniak L., Freidzon A., Sinev I., Van Deun R., Freire R. O., Zubavichus Y., Grunert W., Kuzmina N., 2014 **Lanthanide complexes with aromatic o-phosphorylated ligands: synthesis, structure elucidation and photophysical properties**, *Dalton Transactions*, 43, 3121-3136.
10. Marciniak L., Strek W., Hreniak D., 2014 **Cooperative absorption transitions in LiLa_{1-x}Nd_xP₄O₁₂ nanocrystals**, *Journal of Luminescence*, 148, 214-218.
11. Marciniak L., Strek W., Hreniak D., 2013, **Subresonantly excited Nd³⁺ fluorescence in LiLa_{1-x}Nd_xP₄O₁₂ nanocrystals**, *Chemical Physics Letters*, 583 151-154.
12. Mendoza-Mendoza E., Montemayor S. M., Maczka M., Marciniak L., Fuentes A. F., 2013, **A facile and „green-chemistry” method to synthesize pure and Nd-doped Y₃Al₅O₁₂ nanopowders at low-temperatures**, *Ceramics International*, 39, 9405-9414.
13. Strek W., Marciniak L., Gluchowski P., Hreniak D., 2013, **Infrared laser stimulated broadband white emission of Yb³⁺:YAG nanoceramics**, *Optical Materials*, 35, 2013-2017.
14. Gaft M., Strek W., Nagli L., Panczer G., Rossman G. R., Marciniak L., 2012 **Laser-induced time-resolved luminescence of natural sillimanite Al₂SiO₅ and synthetic Al₂SiO₅ activated by chromium**, *Journal of Luminescence*, 132, 2855-2862.

15. Marciniak Ł., Strek W., Lukowiak A., Bednarkiewicz A., Wiglusz R., Hreniak D., 2013, ***Infrared Induced White Anti-stokes Emission of LiYbP₄O₁₂ Nanocrystals***, *Nano-Optics for Enhancing Light-Matter Interactions on a Molecular Scale NATO Science for Peace and Security Series B: Physics and Biophysics*, 423, 978-94-007-5312-9.
16. Passuello T., Piccinelli F., Trevisani M., Giarola M., Mariotto G., Marciniak L., Hreniak D., Guzik M., Fasoli M., Vedda A., Jarý V., Nikl M., Causin V., Bettinelli M., Speghini A., 2012 ***Structural and optical properties of Vernier phase lutetium oxyfluorides doped with lanthanide ions: interesting candidates as scintillators and X-Ray phosphors***, *Journal of Material Chemistry*, 22, 10639-10649.
17. Strek W., Marciniak L., Hreniak D., Lukowiak A., 2012, ***Anti-Stokes bright yellowish emission of NdAlO₃ nanocrystals*** *Journal of Applied Physics*, 111, 024305-1-024305-6.
18. Marciniak L., Strek W., Bednarkiewicz A., Hreniak D., Pujol M. C., Diaz F., 2013, ***Upconversion emission of LiNdP₄O₁₂ and KNdP₄O₁₂ crystals***, *Journal of Luminescence* 133, 57-60.
19. Hreniak D., Marciniak L., Strek W., Piccinelli F., Speghini A., Bettinelli M., 2011 ***Comment on "Colossal dielectric and magnetodielectric effect in Er₂O₃ nanoparticles embedded in a SiO₂ glass matrix"***, *Physical Review B*, 84, 056102-1-056102-2.
20. Strek W., Marciniak L., Bednarkiewicz A., Lukowiak A., Wiglusz R., Hreniak D., 2011, ***White emission of lithium ytterbium tetraphosphate nanocrystals***, *Optics Express*, 19 (2011) 14083-14092.
21. Marciniak L., Strek W., Bednarkiewicz A., Lukowiak A., Hreniak D., 2011, ***Bright upconversion emission of Nd³⁺ in LiLa_{1-x}Nd_xP₄O₁₂ nanocrystalline powders***, *Optical Materials*, 33, 1492-1494.
22. Strek W., Marciniak L., Bednarkiewicz A., Lukowiak A., Hreniak D., Wiglusz R., 2010, ***The effect of pumping power on fluorescence behavior of LiNdP₄O₁₂ nanocrystals***, *Optical Materials*, 33, 1097-1101.
23. Strek W., Marciniak L., Lukowiak A., Bednarkiewicz A., Hreniak D., Wiglusz R., 2010, ***Synthesis and luminescence properties of LiLa_{1-x}Nd_xP₄O₁₂ nanocrystals***, *Optical Materials* 33, 131-135.
24. Marciniak L., Hreniak D., Dobrowolska A., Zych, E., 2010, ***Size-dependent luminescence in Y₂Si₂O₇ nanoparticles doped with Ce³⁺ ions***, *Applied Physics A*, 99, 871-877.