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Lista publikacji

z dnia 31 października 2013

Publikacje w czasopismach

1. Cichy B., Wawrzyńczyk D., Bednarkiewicz A., Samoć M., Stręk W., 2013, **Third order nonlinear optical response of CuInS_2 quantum dots – bright probes for near-infrared biodetection**, Applied Physics Letters, 102 (24): 243702.
2. Wawrzyńczyk D., Bednarkiewicz A., Nyk M., Stręk W., Samoć M., 2013, **Ligand-dependent luminescence of ultra-small Eu^{3+} -doped NaYF_4 nanoparticles**, Journal of Nanoparticle Research, 15 (6): 1707.
3. Coe B.J., Foxon S.P., Helliwell M., Rusanova D., Brunschwig B.S., Clays K., Depotter G., Nyk M., Samoć M., Wawrzyńczyk D., Garin J., Orduna J., 2013, **Heptametallic, octupolar nonlinear optical chromophores with six ferrocenyl substituents**, Chemistry a European Journal, 19 (21): 6613-6629.
4. Wawrzyńczyk D., Nyk M., Samoć M., 2013, **Multiphoton absorption in europium (III) doped YVO_4 nanoparticles**, Journal of Materials Chemistry C, 1 (37): 5837-5842.
5. Szeremeta J., Nyk M., Wawrzyńczyk D., Samoć M., 2013, **Wavelength dependence of nonlinear optical properties of colloidal CdS quantum dots**, Nanoscale, 5 (6): 2388-2393.
6. Wawrzyńczyk D., Nyk M., Bednarkiewicz A., Stręk W., Samoć M., 2013, **A comparison of morphology, structure and optical properties of ultrasmall, small and core-shell up-converting NaYF_4 nanocrystals co-doped with Tm^{3+} and Yb^{3+} ions**, Journal of Luminescence, 133: 138-144.
7. Wawrzyńczyk D., Bednarkiewicz A., Nyk M., Gordel M., Stręk W., Samoć M., 2012, **Modulation of Up-conversion Luminescence of Lanthanide (III) Ion Co-doped NaYF_4 Nanoparticles using Gold Nanorods**, Optical Materials 34 (10): 1708-1712.
8. Bednarkiewicz A., Wawrzyńczyk D., Gaćgor A., Kępiniski L., Kurnatowska M., Krajczyk L., Nyk M., Samoć M., Stręk W., 2012, **Giant enhancement of upconversion in ultra-small $\text{Er}^{3+}/\text{Yb}^{3+}:\text{NaYF}_4$ nanoparticles via laser annealing**, Nanotechnology 23: 145705-145712.
9. Wawrzyńczyk D., Bednarkiewicz A., Nyk M., Cichos J., Karbowski M., Hreniak D., Stręk W., Samoć M., 2012, **Optimisation of ligand exchange towards stable water suspensions of crystalline $\text{NaYF}_4:\text{Er}^{3+}, \text{Yb}^{3+}$ nanoluminophors**, Journal of Nanoscience and Nanotechnology 12 (3): 1886-1891.
10. Nyk M., Wawrzyńczyk D., Szeremeta J., Samoć M., 2012, **Spectrally Resolved Size-dependent Third-order Nonlinear Optical Properties of Colloidal CdSe Quantum Dots**, Applied Physics Letters, 100: 041102-041105.
11. Wawrzyńczyk D., Bednarkiewicz A., Nyk M., Stręk W., Samoć M., 2012, **Neodymium (III) doped fluoride nanoparticles as a non-contact optical temperature sensor**, Nanoscale, 4 (22): 6959-6961.
12. Bednarkiewicz A., Wawrzyńczyk D., Nyk M., Samoć M., 2011, **Tuning red-green-white up-conversion color in nano $\text{NaYF}_4:\text{Er}/\text{Yb}$ phosphor**, Journal of Rare Earths, 29: 1152–1156.
13. Nyk M., Wawrzyńczyk D., Parjaszewski K., Samoć M., 2011, **Spectrally Resolved Nonlinear Optical Response of Up-conversion Lanthanide-Doped NaYF_4 Nanoparticles**, The Journal of Physical Chemistry C, 115 (34): 16849-16855.
14. Bednarkiewicz A., Wawrzyńczyk D., Nyk M., Stręk W., 2011, **Synthesis and spectral properties of colloidal Nd^{3+} doped NaYF_4 nanocrystals**, Optical Materials (33): 1481-1486.

15. Bednarkiewicz A., Wawrzyńczyk D., Nyk M., Stręk W., 2011, ***Optically stimulated heating using Nd³⁺ doped NaYF₄ colloidal near infrared nanophosphors***, Applied Physics B 103: 847-852.
16. Samoć M., Matczyszyn K., Nyk M., Olesiak-Bańska J., Wawrzyńczyk D., Hańczyc P., Szeremeta J., Wielgus M., Gordel M., Mazur L., Kołkowski R., Straszak B., Cifuentes M.P., Humphrey M.G., 2012, ***Nonlinear absorption and nonlinear refraction: maximizing the merit factors***, Proc. SPIE 8258 82580V.