

Lista publikacji w czasopismach krajowych i zagranicznych

1. M. Karbowski, A. Mech, J. Drożdżyński, Z. Gajek and N.M. Edelstein, *Optical spectroscopy and crystal-field analysis of $U^{3+}:Ba_2YCl_7$* , New. J. Chem., 26, 1651 (2002)
2. M. Karbowski, A. Mech, J. Drożdżyński, N.M. Edelstein, *Crystal-field analysis, upconversion, and excited-state dynamics for $(U^{4+}, U^{3+}):Ba_2YCl_7$* , Phys. Rev. B., 67, 195108 (2003)
3. A. Mech, M. Karbowski, T. Lis and J. Drożdżyński., *The Crystal Structure and Optical properties of the uranium(III) trichloride hydrates*, Annals of the Polish Chemical Society, 3(3) (2004) 1294-1297
4. J. Drożdżyński, M. Karbowski, A. Mech, M. Sobczyk and W. Ryba-Romanowski., *Spectra analyses of U^{3+} doped $Cs_3Lu_2Cl_9$, $Cs_3Y_2I_9$, YCl_3 and $LaBr_3$.*, ABSTR PAP AM CHEM S 227: 122-NUCL Part 2 MAR 28 2004
5. A. Mech, M. Karbowski, L. Kępiński, A. Bednarkiewicz, *Structural and luminescent properties of nanosized $NaGdF_4:Eu^{3+}$ synthesised by wet-chemistry route*, J. Alloys. Comp., 380(1-2),2004, 315-320
6. M. Karbowski, A. Mech, A. Bednarkiewicz, W. Stręk, L. Kępiński., *Własności strukturalne i optyczne nanokrystalicznych proszków $KGdF_4:Eu^{3+}$ i $NaGdF_4:Eu^{3+}$ otrzymywanych z roztworów.*, Wiadomości Chemiczne 2004, Nanomateriały, 64-99
7. M. Karbowski, A. Mech, A. Bednarkiewicz, W. Stręk, *Structural and luminescent properties of nanosized $KGdF_4:Eu^{3+}$ synthesised by coprecipitation method*, J. Alloys. Comp., 380(1-2),2004,
8. M. Karbowski, A. Mech, A. Bednarkiewicz, W. Stręk and L. Kępiński., *Comparison of different $NaGdF_4:Eu^{3+}$ synthesis routes and their influence on its structural and luminescent properties*, J. Phys. Chem. Solids., 66 (2005) 1008
9. M. Karbowski, A. Mech, A. Bednarkiewicz, W. Stręk, *Synthesis and properties of solution processed $Eu^{3+}:Ba_2YF_7$.*, J. Lumin., 114 (2005) 1
10. M. Karbowski, A. Mech, W. Ryba-Romanowski, *Optical properties of $Eu^{3+}:CsGd_2F_7$ downconversion phosphor*, J. Lumin., 114 (2005) 65.
11. A. Bednarkiewicz, A. Mech, M. Karbowski and W. Stręk., *Spectral properties of Eu^{3+} doped $NaGdF_4$ nanocrystals*, J. Lumin. 114 (2005) 247
12. M. Karbowski, A. Mech, L. Kępiński, W. Mielcarek and S. Huber., *"Effect of crystallite size on structural and luminescent properties of nanostructured $Eu^{3+}:KGdF_4$ synthesised by coprecipitation method"*., J. Alloys. Comp., 400 (1-2) (2005) 67-75
13. M. Karbowski, A. Mech, J. Drożdżyński, W. Ryba-Romanowski and M. F. Reid, *Electronic structure of U^{3+} in $Cs_3Lu_2Cl_9$ and $Cs_3Y_2I_9$ single crystals*, J. Phys. Chem. B. 109, 155 (2005).
14. M. Karbowski, A. Mech, J. Drożdżyński, *Absorption spectrum and crystal-field analysis of U^{4+} ions in $CsCdBr_3$ single crystals*, Chem. Phys. 308 (2005) 135
15. A. Mech, M. Karbowski, Z. Gajek and J. Drożdżyński., *Crystal-field Analysis for U^{3+} Ions in Low Symmetry Sites of Three Uranium(III) Trichloride Hydrates.*, "Spectroscopy, Symmetry and SCHUR" Oficyna Wydawnicza Uniwersytetu im. Mikołaja Kopernika, Toruń 2006

16. A. Mech., *Crystal structure and optical properties of Nd(hfa)₄N(C₂H₅)₄·H₂O.*, Polyhedron 2006-przyjeta do druku
17. A. Mech, M. Karbowski, T. Lis and J. Drożdżyński., *Monomeric, dimeric and polymeric structure of the uranium(III) trichloride hydrates.*, Polyhedron (2006) 2083-2092
18. Agnieszka Mech, Mirosław Karbowski, Christiane Görller-Walrand and Rik van Deun -“The luminescence properties of three tetrakis dibenzoylmethane europium(III) complexes with different counter ions”- J. Alloy. Compound. - wysłana do druku 2006.
19. M. Karbowski, C. Rudowicz, P. Gnutek, and A. Mech- “Crystal-Field Analysis of Ho³⁺ Ions in HoCl₃·6H₂O”- J. Alloy.Compound. - wysłana do druku 2006