

Grzegorz Zatoryb

Lista publikacji

z dnia 31 października 2012

Publikacje w czasopismach

1. Podhorodecki A., Zatoryb G., Misiewicz J., Wojcik J., Wilson P. R. J., Mascher P., 2012, ***Green light emission from terbium doped silicon rich silicon oxide films obtained by Plasma Enhanced Chemical Vapor Deposition***, *Nanotechnology*, 23: 475707
2. Zatoryb G., Podhorodecki A., Hao X.J., Misiewicz J., Shen Y.S., Green M.A., 2011, ***Correlation between stress and carrier nonradiative recombination for silicon nanocrystals in an oxide matrix***, *Nanotechnology* 22: 335703
3. Podhorodecki A., Gluchowski P., Zatoryb G., Syperok M., Misiewicz J., Lojkowski W., Strek W., 2011, ***Influence of pressure-induced transition from nanocrystals to nanoceramic form on optical properties of Ce-doped $Y_3Al_5O_{12}$*** , *Journal of the American Ceramic Society* 94: 2135
4. Zatoryb G., Podhorodecki A., Misiewicz J., Cardin J., Gourbilleau F., 2011, ***On the nature of the stretched exponential photoluminescence decay for silicon nanocrystals***, *Nanoscale Research Letters* 6: 106
5. Zatoryb G., Podhorodecki A., Hao X.J., Misiewicz J., Shen Y.S., Green M.A., 2010, ***Quantitative evaluation of boron-induced disorder in multilayers containing silicon nanocrystals in an oxide matrix designed for photovoltaic applications***, *Optics Express* 18: 22004
6. Debieu O., Breard D., Podhorodecki A., Zatoryb G., Misiewicz J., Labbe C., Cardin J., Gourbilleau F., 2010, ***Effect of annealing and Nd concentration on the photoluminescence of Nd³⁺ ions coupled with silicon nanoparticles***, *Journal of Applied Physics* 108: 113114
7. Podhorodecki A., Zatoryb G., Misiewicz J., Gourbilleau F., Rizk R., 2010, ***Temperature dependent emission quenching in silicon-rich oxide films***, *Journal of Nanoscience and Nanotechnology* 10: 5648
8. Hao X.J., Podhorodecki A., Shen Y.S., Zatoryb G., Misiewicz J., Green M.A., 2009, ***Effects of non-stoichiometry of O/Si ratio on the structural and optical properties of silicon quantum dots in a silicon dioxide matrix***, *Nanotechnology* 20: 485703
9. Podhorodecki A., Zatoryb G., Misiewicz J., Kaczmarek D., Domaradzki J., Borkowska A., Prociow E., 2009, ***Excitation mechanism of europium ions embedded into TiO₂ nanocrystalline thin films***, *Thin Solid Films* 517: 6331
10. Podhorodecki A., Nyk M., Zatoryb G., Misiewicz J., Strek W., 2009, ***Influence of europium concentration on optical and structural properties of GaN nanocrystalline powder***, *Electrochemical and Solid State Letters* 12: K33-K36
11. Podhorodecki A., Zatoryb G., Misiewicz J., Kaczmarek D., Domaradzki J., Borkowska A., 2009, ***The influence of annealing temperature on excitation mechanism of europium ions embedded into TiO₂ nanocrystalline thin films***, *Journal of the Electrochemical Society* 156: H214

12. Zatryb G., Podhorodecki A., Misiewicz J., Wojcik J., Mascher P., 2009, ***Size-dependent indirect excitation of trivalent Er ions via Si nanocrystals embedded in a Silicon-Rich Silicon Oxide matrix deposited by ECR-PECVD***, *Journal of Nanotechnology* 2009: 769142
13. Bilyy R., Podhorodecki A., Zaichenko A., Mitina N., Stoika R., Nyk M., Zatoryb G., Misiewicz J., Strek W., 2008, ***Utilization of functional luminescent GaN:Eu³⁺ nanoparticles for the detection of programmed cell Health***, *Physica E* 40: 2096
14. Podhorodecki A., Zatoryb G., Misiewicz J., Wojcik J., Mascher P., 2007, ***Influence of the annealing temperature and silicon concentration on the absorption and emission properties of Si nanocrystals***, *Journal of Applied Physics* 102: 043104
15. Zatoryb G., Podhorodecki A., Misiewicz J., Nauka K., 2007, ***Influence of the cap layer and its stoichiometry on the optical properties of CdSe/ZnS-TOPO (amine) nanocrystalline powder***, *Optica Applicata* 37: 459