

# Karol Tarnowski

## Lista publikacji z dnia 31 października 2013

### Książki i monografie

1. Olszewski J., Orlik R., Pawlik G., Tarnowski K., Salejda W., *Studenckie laboratorium obliczeniowe*, 95 s., Oficyna Wydawnicza Politechniki Wrocławskiej, 2011

### Publikacje w czasopismach

1. Tarnowski K., Urbanczyk W., 2013, **Origin of Bragg reflection peaks splitting in gratings fabricated using a multiple order phase mask**, *Optics Express*, 21(19): 21800-21819
2. Statkiewicz-Barabach G., Tarnowski K., Kowal D., Mergo P., Urbanczyk W., 2013, **Fabrication of multiple Bragg gratings in microstructured polymer fibers using a phase mask with several diffraction orders**, *Optics Express*, 21(7): 8521-8534
3. Pawlik G., Tarnowski K., Walasik W., Mituś A. C., Khoo I. C., 2012, **Infrared cylindrical cloak in nanosphere dispersed liquid crystal metamaterial**, *Optics Letters*, 37(11): 1847-1849
4. Tarnowski K., Kibler B., Urbańczyk W., 2011, **Grating-assisted third-harmonic generation in photonic crystal fibers using a pulse pump**, *Journal of the Optical Society of America B*, 28(9): 2075-2080
5. Tarnowski K., Kibler B., Finot C., Urbańczyk W., 2011, **Quasi-Phase-Matched Third Harmonic Generation in Optical Fibers Using Refractive-Index Gratings**, *IEEE Journal of Quantum Electronics*, 47(5): 622-629
6. Wośko M., Paszkiewicz B., Tarnowski K., Ściana B., Radziejewicz D., Salejda W., Paszkiewicz R., Tłaczała M., 2011, **Reverse engineering of Al(x)Ga(1-x)As/GaAs structures composition by reflectance spectroscopy**, *Opto-Electronics Review*, 19(4): 418-424
7. Ramiączek-Krasowska M., Prażmowska J., Los K., Stafiniak A., Szyszka A., Paszkiewicz R., Orski W., Tarnowski K., Tłaczała M., 2011, **Creation of high resolution pattern by nanoscratching**, *Central European Journal of Physics*, 9(2): 404-409
8. Martynkien T., Statkiewicz-Barabach G., Olszewski J., Wójcik J., Mergo P., Geernaert T., Sonnenfeld C., Anuszkiewicz A., Szczurowski M., Tarnowski K., Makara M., Skorupski K., Klimek J., Poturaj K., Urbańczyk W., Nasiłowski T., Berghmans F., Thienpont H., 2010, **Highly birefringent microstructured fibers with enhanced sensitivity to hydrostatic pressure**, *Optics Express*, 18(14): 15113-15121
9. Statkiewicz-Barabach G., Olszewski J., Napiórkowski M., Gołojuch G., Martynkien T., Tarnowski K., Urbańczyk W., Wójcik J., Mergo P., Makara M., Nasiłowski T., Berghmans F., Thienpont H., 2010, **Polarizing photonic crystal fiber with low index inclusion in the core**, *Journal of Optics*, 12(7): 075402
10. Lazaro M. J., Quintela A., Tarnowski K., Wójcik J., Urbańczyk W., Lopez-Higuera J. M., 2010, **Experimental characterization of the spectral effective index dependence of index-guided photonic crystal fibers**, *Measurement Science & Technology*, 21(5): 055111
11. Tarnowski K., Salejda W., 2009, **Photonic Band Structure of Fibonacci Superlattices with Metamaterials. Part 1: The Algebraic Method of Calculation for Lossless Layers**, *Photonics Letters of Poland*, 1(3): 127-129
12. Tarnowski K., Salejda W., 2009, **Photonic Band Structure of Fibonacci Superlattices with Metamaterials. Part 2: The Algebraic Method of Calculation for Absorptive Metamaterial Layers**, *Photonics Letters of Poland*, 1(3): 130-132
13. Tarnowski K., Salejda W., Tyc M. H., 2007, **Propagation of polarized light through optical nanosuperlattices**, *Optica Applicata*, 37(4): 387-396