

Kamil Fedus

Lista publikacji

z dnia 31 października 2012

I. Prace oryginalne (artykuły w czasopismach):

1. A. Karbowski, **K. Fedus**, J. Patyk, Ł. Bujak, K. Służewski, G. Karwasz, 2013, *Photoluminescence and positron annihilation lifetime studies on pellets of ZnO nanocrystals*, *Nukleonika* 58(1): 189-194
2. F. Bianco, **K. Fedus**, F. Enrichi, R. Pierobon, M. Ghulinyan, G. Pucker, L. Pavesi, 2012, *Two-dimensional micro-Raman mapping of stress and strain distributions in strained silicon waveguides*, *Semiconductor Science and Technology* 27: 085009
3. **K. Fedus**, G. Boudebs, 2012, *Kerr-induced nonlinear focal shift in presence of nonlinear absorption*, *Journal of Optics* 14: 035205
4. **K. Fedus**, V. Smokal, O. Krupka, G. Boudebs, 2011, *Synthesis and non-resonant nonlinear optical properties of push-pull side-chain azobenzene polymers*, *Journal of Nonlinear Optical Physics & Materials* 20: 1-13
5. G. Boudebs, **K. Fedus**, 2011, *Third order nonlinear optical characterization using focal shift measurements*, *Optics Communication* 284: 2018-2021
6. **K. Fedus**, G. Boudebs, 2011, *Sensitivity of Z-scan using diffraction efficiency*, *Optics Communication* 284: 1057-1061
7. T. R. Oliveira, **K. Fedus**, D. Manzani, E. L. Falcão-Filho, G. Boudebs, Cid B. de Araújo, Y. Messaddeq, 2010, *Near - infrared Kerr nonlinearity of $Pb(PO_3)_2 - WO_3$ glasses*, *Journal of Applied Physics* 108: 103523
8. P. Nemeč, S. Zhang, V. Nazabal, **K. Fedus**, G. Boudebs, A. Moreac, M. Cathelinaud, X.-H. Zhang, 2010, *Photostability of pulsed laser deposited $Ge_xAs_ySe_{100-x-y}$ amorphous thin films*, *Optics Express* 18: 22944-22957
9. **K. Fedus**, G. Boudebs, H. Leblond, 2010, *Degenerate multi-wave mixing inside a 4f imaging system in presence of nonlinear absorption*, *Applied Physics B* 100: 827-831
10. Q. Coulombier, M. Sergent, **K. Fedus**, G. Boudebs, J. Troles, G. Canat, O. Vasseur, M. P. Bourdon, M. Cathelinaud and X.H Zhang, 2010, *Sulfide-halide glasses with high nonlinear refractive index and low nonlinear absorption*, *Optical Materials* 32: 1102-1106
11. **K. Fedus**, G. Boudebs, Q. Coulombier, J. Troles, X.H.Zhang, 2010, *Nonlinear characterization of $GeS_2-Sb_2S_3-Csl$ glass system*, *Journal of Applied Physics* 107: 023108
12. F. E. P. dos Santos, Cid B. de Araújo, and A. S. L. Gomes, **K. Fedus**, G. Boudebs, D. Manzani, Y. Messaddeq, 2009, *Nonresonant third – order nonlinear properties of $NaPO_3-WO_3-Bi_2O_3$ glasses in the near infrared*, *Journal of Applied Physics* 106: 063507
13. **K. Fedus**, G. Boudebs, 2009, Determination of photo-induced changes in linear optical coefficients by Z-scan technique, *Journal of the Optical Society of America B* 26: 2171-2175
14. G. Boudebs, **K. Fedus**, 2009, *Linear optical characterization of transparent thin films by Z-scan technique*, *Applied Optics* 48: 4124-4129

15. K. Fedus, G. Boudebs, Cid B. de Araujo, M. Cathelinaud, F. Charpentier, V. Nazabal, 2009, **Photo-induced effects in thin films of $Te_{20}As_{30}Se_{50}$ glass with nonlinear characterization**, *Applied Physics Letters* 94: 061122
16. G. Boudebs, K. Fedus, 2009, **Absolute measurement of the nonlinear refractive indices of reference materials**, *Journal of Applied Physics* 105: 103106
17. K. Fedus, G. Boudebs, 2009, **Sensitivity of the 4f coherent imaging system used in degenerate multi-wave mixing experiments**, *Journal of the Optical Society of America B* 26: 244-248
18. G. Boudebs, K. Fedus, C. Cassagne, H. Leblond, 2008, **Degenerate multi-wave mixing using Z-scan technique**, *Applied Physics Letters* 93: 021118

II. Prace pokonferencyjne i doniesienia zjazdowe:

1. F. Bianco, K. Fedus, F. Enrichi, R. Pierobon, M. Ghulinyan, G. Pucker, M. Cazzanelli, L. Pavesi, 2012, **Micro-Raman measurements of stress and strain distributions in strained silicon waveguides for nonlinear optical applications**, *E-MRS 2012 Fall Meeting*, Warsaw (Poland)
2. Z. Idziaszek, K. Fedus, G. Karwasz, 2012, **Modified effective range theory in electron and positron scattering**, *VII Workshop on Atomic and Molecular Physics*, Jurata (Poland)
3. A. Karbowski, K. Fedus, G. Karwasz, 2012, **Photoluminescence and positron annihilation lifetime studies on pellets of ZnO nanocrystals**, *Polish Seminar on Positron Annihilation*, Kazimierz Dolny (Poland)
4. F. Bianco, E. Borga, A. Yeremian, B. Dierre, K. Fedus, P. Bettoni, A. Pitanti, R. Pierbon, M. Ghulinyan, G. Pucker, M. Cazzanelli, and L. Pavesi, 2011, **Second-order susceptibility $\chi(2)$ in Si waveguides**, *IEEE 8th International Conference on Group IV Photonics*, London (England)
5. G. Boudebs and K. Fedus, 2011, **Optimization of Z-scan technique inside a 4f system**, *Nonlinear Optics: Materials: Fundamentals and Applications*, Kauai (Hawaii, USA)
6. G. Boudebs, K. Fedus, 2010, **Nonlinear Characterization Techniques inside a 4f system**, *Latin America Optics and Photonics Conference*, Recife (Brazil)
7. K. Fedus, G. Boudebs, 2009, **Degenerate multi-wave mixing inside the 4f coherent imaging system**, *CLEO/Europe - EQEC 2009 - European Conference on Lasers and Electro-Optics and the European Quantum Electronics Conference*, Munich (Germany)
8. G. Boudebs, K. Fedus, 2009, **Nonlinear optical characterization in a degenerate multi-wave mixing configuration**, *Proceedings of SPIE - The International Society for Optical Engineering*, San Diego (USA)
9. G. Boudebs, K. Fedus, 2009, **Sensitivities of different nonlinear optical characterization techniques**, *11th International Conference on Transparent Optical Network, ICTON*., Island of São Miguel (Azores, Portugal)
10. G. Boudebs, K. Fedus, 2008, **Comparison of different nonlinear optical characterization techniques**, *Proceedings of 10th Anniversary International Conference on Transparent Optical Networks, ICTON*, Athens, (Greece)