

Dorota Szczęsna

Lista publikacji z dnia 30 października 2010

Publikacje w czasopismach

1. Szczesna D. H., Alonso-Caneiro D., Iskander D. R., Read S. A., Collins M. J., 2011, **Predicting dry eye using non-invasive techniques of tear film surface assessment**, *Investigative Ophthalmology & Visual Science* 52(2): 751-756
2. Szczesna D. H., Alonso-Caneiro D., Iskander D. R., Read S. A., Collins M. J., 2010, **Lateral shearing interferometry, dynamic wavefront sensing, and high-speed videokeratoscopy for non-invasive assessment of tear film surface characteristics: a comparative study**, *Journal of Biomedical Optics* 15(3): 037005-1-9
3. Szczesna D. H., Iskander D. R., 2010, **Lateral shearing interferometry: a technique for complete temporal analysis of tear film surface kinetics**, *Optometry and Vision Science* 87(7): 513-517
4. Szczesna D. H., Iskander D. R., 2009, **Robust estimation of tear film surface quality in lateral shearing interferometry**, *Journal of Biomedical Optics* 14(6): 064039-1-4
5. Szczesna D. H., Kulas Z., Kasprzak H. T., Stenevi U., 2009, **Examination of tear film smoothness on the corneae after refractive surgery using a non-invasive interferometric method**, *Journal of Biomedical Optics* 14(6): 064029
6. Szczesna D. H., Kasprzak H., 2009, **Numerical analysis of interferograms for evaluation of tear film build-up time**, *Ophthalmic and Physiological Optics* 29(3): 211-218
7. Iskander D. R., Szczesna D. H., Alonso-Caneiro D., Read S. A., Collins M. J., 2009, **Non-invasive measurement of tear film surface quality**, *Contact Lenses Magazine Suppl.* 2009: 24-25
8. Szczesna D. H., Kasprzak H. T., Jaroński J., Rydz A., Stenevi U., 2007, **Interferometric method of dynamic evaluation of the tear film**, *Acta Ophthalmologica Scandinavica* 85(2): 202-208
9. Szczęsna D. H., Jaroński J., Kasprzak H. T., Stenevi U., 2006, **Interferometric measurements of dynamic changes of the tear film**, *Journal of Biomedical Optics* 11(3): 034028
10. Szczęsna D. H., Kasprzak H. T., 2006, **The modelling of the influence of a corneal geometry on the pupil image of the human eye**, *Optik* 117(7): 341-347

Prace pokonferencyjne i doniesienia zjazdowe

1. Alonso-Caneiro D., Szczesna D. H., Iskander D. R., Read S. A., Collins M. J., **Context-based modelling of interferometric signals for the assessment of tear-film surface quality**, [w:] *IEEE/SP 15th Workshop on Statistical Signal Processing (SSP-09)*, 2009: 553-556
2. Szczesna D. H., Kasprzak H., Stenevi U., **Application of interferometry for evaluation of the effect of contact lens material on tear film quality**, [w:] *Interferometry XIV: Applications*, Novak E. L., Osten W., Gorecki C., Proc. SPIE, 2008: 706407-1-9
3. Szczęsna D. H., Kasprzak H., **Numeryczna analiza stabilizowania się filmu łzowego**, [w:] *XV Krajowa Konferencja Biocybernetyki i Inżynierii Biomedycznej*, Nałęcz M., Będziński R., Maniewski R., ISBN 978-83-87982-52-2, 2007
4. Szczesna D. H., Kulas Z., Kasprzak H. T., Stenevi U., **Examination of in vivo tear film stability after eye blink and eye drying**, [w:] *Biophotonics 2007: Optics in Life Science*, Popp J., von Bally G., Proc. SPIE-OSA Biomedical Optics, 2007: 663314-1-8
5. Szczesna D. H., Kasprzak H. T., **Analysis of the tear film kinetics by numerical filtering of interferograms**, [w:] *XI International Conference, Medical Informatics and Technologies (MIT)*, Piętka E., Łęski J., Franiel S., ISBN 83-89105-89-6, 2006: 218-221
6. Szczesna D. H., Kasprzak H. T., Jaroński J., Stenevi U., **Interferometric measurements of the tear film irregularities on the human cornea**, [w:] *SPIE International Congress on Optics and Optoelectronics*, Medical Imaging, Kowalczyk A., Fercher A. F., Tuchin V. V., Proc. SPIE, 2005: 5959-47-56

7. Szczęsna D. H., Kasprzak H. T., *Numerical modeling of imaging of the eye pupil through the cornea*, [w:] *DGaO Proc. 2005*, <http://www.dgao-proceedings.de>, ISSN: 1614-8436, 2005