

Lista publikacji

- październik 2011

I. Publikacje książkowe (monografie):

1. Kotulska M., **Dyrka W.**, Sadowski P., *Fluorescent methods in evaluation of nanopore conductivity and their computational validation*, [w:] *Advanced electroporation techniques in biology and medicine*, Pakhomov A. G., Miklavcic D., Markov M. S., CRC Press, 2010: 123-140.

II. Prace oryginalne (rozdziały w książkach zbiorowych, artykuły w czasopismach):

1. **Dyrka W.**, Nebel J. C., Kotulska M., 2010, *Towards 3D modeling of interacting TM helix pairs based on classification of helix pair sequence*, [w:] *Pattern Recognition in Bioinformatics, Lecture Notes in Computer Science (Lecture Notes in Bioinformatics)* 6282: 62-73.
2. **Dyrka W.**, Nebel J. C., 2009, *A Stochastic Context Free Grammar based Framework for Analysis of Protein Sequences*, *BMC Bioinformatics* 10: 323.
3. Konopka B., **Dyrka W.**, Nebel J. C., Kotulska M., *Accuracy in predicting secondary structure of ionic channels*, [w:] *New challenges in computational collective intelligence*. Nguyen N. T., Katarzyniak R. P., Janiak A., Springer-Verlag, 2009: 315-326.
4. **Dyrka W.**, Augousti A. T., Kotulska M., 2008, *Ion flux through membrane channels – an enhanced algorithm for the Poisson-Nernst-Planck model*, *Journal of Computational Chemistry* 29(12): 1876-1888.

III. Prace pokonferencyjne i doniesienia zjazdowe:

1. **Dyrka W.**, Nebel J. C., 2007, *A probabilistic context-free grammar for the detection of binding sites from a protein sequence*, *BMC Systems Biology* 1(1): 78.