

Roman Jaksik

Lista publikacji

z dnia 31 października 2014

Książki i monografie

1. Borys D., Jaksik R., Krzeslak M., Smieja J., Swierniak A., **Cancer – a Story on Fault Propagation in Gene-Cellular Networks. [w:] Propagation Phenomena in Real World Networks**, Król D., Fay D., Gabrys B., Springer Verlag, Switzerland, 2014 (w druku)
2. Foszner P., Gruca A., Polanski A., Marczyk M., Jaksik R., Polanska J., **An Efficient Algorithm for Microarray Probes Re-annotation [w:] Transactions on Computational Intelligence XIII**, Ngoc-Thanh Nguyen, Hoai An Le-Thi, Springer, Berlin Heidelberg, 2014, s. 201-218

Publikacje w czasopismach

1. Jaksik R., Marczyk M., Polańska J., Rzeszowska-Wolny J., 2014, **Sources of High Variance between Probe Signals in Affymetrix Short Oligonucleotide Microarrays**, *Sensors*, 14(1): s. 532-548
2. Jaksik R., Lalik A., Skonieczna M., Cieslar-Pobuda A., Student S., Rzeszowska-Wolny J., 2014, **MicroRNAs and reactive oxygen species: Are they in the same regulatory circuit?** *Mutat Res.*, 764-765: s. 64-71
3. Marczyk M., Jaksik R., Polanski A., Polanska J., 2013, **Adaptive filtering of microarray gene expression data based on Gaussian mixture decomposition**, *BMC Bioinformatics*, 14(101)
4. Jaksik R., Rzeszowska-Wolny J., 2012, **The distribution of GC nucleotides and regulatory sequence motifs in genes and their adjacent sequences**, *Gene*, 492(2): s. 375-81
5. Chaabane W., User SD., El-Gazzah M., Jaksik R., Sajjadi E., Rzeszowska-Wolny J., Łos M., 2012, **Autophagy, Apoptosis, Mitoptosis and Necrosis: Interdependence Between Those Pathways and Effects on Cancer**. *Arch Immunol Ther Exp*, 61(1): s. 43-58
6. Puszyński K., Jaksik R., Świerniak A., 2012, **Regulation of p53 by siRNA in radiation treated cells – simulation studies**. *International Journal of Applied Mathematics & Computer Science*, 22(4): s. 1011–1018
7. Marczyk M., Jaksik R., Polański A., Polańska J., 2011, **Affymetrix Chip Definition Files Construction Based on Custom Probe Set Annotation Database**. *Studies in Computational Intelligence*, 381: s. 135-144
8. Foszner P, Gruca A, Polanski A, Marczyk M, Jaksik R, Polanska J., 2011, **Efficient algorithm for microarray probes re-annotation** *Lecture Notes in Computer Science*, 6923: s. 281-289
9. Herok R, Konopacka M, Polanska J, Swierniak A, Rogolinski J, Jaksik R, Hancock R, Rzeszowska-Wolny J., 2010, **Bystander effects induced by medium from irradiated cells: similar transcriptome responses in irradiated and bystander K562 cells**. *Int J Radiat Oncol Biol Phys*. 77(1): s. 244-52
10. Jaksik R., Rzeszowska-Wolny J., 2010, **Position weight matrix model as a tool for the study of regulatory elements distribution across the DNA sequence**, *Archives of Control Sciences*, 20(4): s.491-501
11. Jaksik R., Polańska J., Herok R., Rzeszowska-Wolny J., 2009, **Calculation of reliable transcript levels of annotated genes on the basis of multiple probe-sets in Affymetrix microarrays**. *Acta Biochimica Polonica*, 56(2): s. 271-7