

## Zal. 2

### Wykaz znaczących publikacji wnioskodawcy/ zespołu z ostatnich 3 lat

1. G.Tamulaitiene, S.Grazulis, A.Janulaitis, R.Janowski, G.Bujacz, M.Jaskolski (2004), Crystallization and preliminary crystallographic studies of a bifunctional restriction endonuclease Eco571.  
*Biochim. Biophys. Acta* **1698**, 251-254. (IF=2.98)
5. M.Nilsson, X.Wang, S.Rodziewicz-Motowidle, R.Janowski, V.Lindstrom, P.Onnerfjord, G.Westermark, Z.Grzonka, M.Jaskolski, A.Grubb (2004), Prevention of domain swapping inhibits dimerization and amyloid fibril formation of cystatin C: use of engineered disulfide bridges, antibodies and carboxymethylpapain to stabilize the monomeric form of cystatin C.  
• *Biol. Chem.* 279, 24236-24245. (IF=5.85)
3. R.Janowski, M.Abrahamson, A.Grubb, M.Jaskolski (2004), 3D Domain-Swapped Dimers of N-Truncated Human Cystatin C.  
• *Mol. Biol.* 341, 151-160. (IF=5.23)
4. D.Borek, K.Michalska, K.Brzeziński, A.Kisiel, J.Podkowiński, D.T.Bonthron, D.Krowarsch, J.Otlewski, M.Jaskolski (2004), Expression, purification, and catalytic activity of *Lupinus luteus* asparagina P-amidohydrolase and its *Escherichia coli* homolog.  
*Eur. J. Biochem.* 271, 3215-3226. (IF=3.16)
5. D.N.Georgieva, M.Perbandt, W.Rypniewski, K.Hristov, N.Genov, Ch.Betzel (2004), The X-ray structure of a snake venom G1n48 phospholipase A2 at 1.9 Å resolution reveals anion-binding sites.  
*Biochem. Biophys. Res. Commun.* 316,33-38. (IF=3.00)
6. S.Benini, W.R.Rypniewski, K.S.Wilson, S.Mangani, S.Ciurli (2004), Molecular details of urease inhibition by boric acid: Insights into the catalytic mechanism.  
• *Am. Chem. Soc.* 12,3714-3715. (IF=7.42)
7. D.N.Georgieva, W.R.Rypniewski, A.Gabdoulkhakov, N.Genov, Ch.Betzel (2004), Phospholipase A2-Elaidoylamide complex: a new mode of inhibition.  
*Biochem. Biophys. Res. Commun.* 319,1314-1321. (IF=3.00)
8. D.N.Georgieva, W.R.Rypniewski, H.Echner, M.Perbandt, M.Koker, J.Clos, L.Redecke, R.Bredecorst, W.Voelter, N.Genov, Ch.Betzel (2004), Synthetic human prion protein octapeptide repeat binds to the proteinase K active site.  
*Biochem. Biophys. Res. Commun.* 325, 1406-1411. (IF=3.00)
9. M.Słabicki, M.Potrzebowski, G.D.Bujacz, W.Ciesielski, J.Olczak (2004), X-Ray and NMR analysis in the liquid and solid phase of signaling tripeptides sequence (Tyr-D-Ala-Phe) of dermorphin and deltorphins I and 11".  
• *Phys. Chem. B* 108,4535-4545. (IF=4.03)

10. T.Stepkowski, K.Brzezinski, A.B.Legocki, M.Jaskolski, G.Bena (2005),  
Bayesian phylogenetic analysis reveals two-domain topology of S-adenosylhomocysteine  
hydrolase protein sequences.  
*Mol. Phylogenet. Evol.* 34,15-28. **(IF=3.43)**
11. R.Jal ~, IYl.iozak,  $\frac{A^4}{X^4}$ , AbrahamJell, A.VrUbb, I`JLJaskolski IGCVJ~,  
3D Domain-swapped human cystatin C with amyloidlike intermolecular P-sheets.  
*Proteins: Structure, Function, and Bioinformatics* 61, 570-578. **(IF=4.68)**
12. K.Michalska, K.Brzezinski, M.Jaskolski (2005), ,,  
Crystal structure of isoaspartyl aminopeptidase in complex with L-aspartate.  
• *Biol. Chem.* 280, 28484-28491. **(IF=5.85)**
13. B.K.Saha, A.Nangia, M.Jaskolski (2005),  
Crystal engineering with hydrogen bonds and halogen bonds.  
*Cryst. Eng. Commun.* 7,355-358. **(IF=3.51)**
14. M.Li, G.Laco, M.Jaskolski, J.Rozycki, J.Alexandratos, A.Wlodawer, A.Gustchina (2005),  
Crystal structure of HTLV protease: From treating AIDS to fighting cancer.  
*Proc. Natl. Acad. Sci. USA* 102,18332-18337. **(IF=10.23)**
- 15.O.Pasternak, G.D.Bujacz, Y.Fujimoto, Y.Hashimoto, F.Jelen, J.Otlewski, M.M.Sikorski,  
M.Jaskolski (2006),  
Crystal structure of *Vigna radiata* Cytokinin-Specific Binding Protein in Complex with  
Zeatin.  
*The Plant Cell* 18, 2622-2634. **(IF=1 1.089)**
16. E.Levy, M.Jaskolski, A.Grubb (2006),  
Cerebral Cystatin C amyloid Angiopathy.  
*Brain Pathol.* 16, 60-70. **(IF=4.04)**
17. S.Rodziewicz-Motowidle, M.Wahlbom, X.Wang, J.Lagiewka, R.Janowski, M.Jaskolski,  
A.Grubb, Z.Grzonka (2006),  
Checking the conformational stability of cystatin C and its L68Q variant by molecular  
dynamics studies: Why is the L68Q variant amyloidogenic?  
• *Struci. Biol.* 154, 68-78. **(IF=3.49)**
18. K.Michalska, G.Bujacz, M.Jaskolski (2006),  
Crystal structure of plant asparaginase.  
• *Mol. Biol.* 360,105-116. **(IF=5.23)**