

Wykaz znaczących publikacji wnioskodawcy i współwnioskodawców z ostatnich 3 lat:

1. Konieczny I., (2003) Strategies for helicase recruitment and loading in *bacteria*. *EMBO reports* 4, 37-41; **IF 7,663; KBN 24**
2. Dutkiewicz, R., Schilke, B., Knieszner, H., Walter, W., Craig, A., Marszałek, J. (2003) Ssg1, a mitochondria Hsp70 involved in iron-sulfur (Fe/S) center biogenesis. *J. Biol. Chem.*, 278, 29719-29727; **IF 5,854 KBN 24**
3. Jiang, Y., Pacek, M., Helinski, Donald R., Konieczny, I., Toukdarian, A. (2003) A multifunctional plasmid-encoded replication initiation protein both recruits and positions an active helicase at the replication origin. *PNAS* 100, 8692-8697; **IF 10,231; KBN 24**
4. Liu, Q., D'Silva, P., Walter, W., Marszałek, J., Craig Elisabeth A. (2003) Regulated cycling of mitochondria Hsp70 at the protein import channel. *Science*, 300, 139-141; **IF 30,927; KBN 24**
5. Dutkiewicz, R., Schilke, B., Cheng, S., Knieszner, H., Craig, Elisabeth A., Marszałek, J. (2004) Sequence-specific interaction between mitochondria Fe-S scaffold protein Ius and Hsp70 Ssq 1 is essential for their in vivo function. *J. Biol. Chem.* 279, 29167-29174; **IF 5,854; KBN 24**
6. Ziętkiewicz, Sz., Krzewska, J., and Liberek, K. (2004) Successive and synergistic action of the Hsp70 and Hsp 100 chaperones in protein disaggregation. *J. Biol. Chem.* 279, 44376-44383; **IF 5,854; KBN 24**
7. Matuszewska, M., Kuczyńska-Wiśnik, D., Laskowska, E., Liberek, K. (2005) The small heat shock protein IbpA of *Escherichia coli* cooperates with IbpB in stabilization of thermally aggregated proteins in a disaggregation component state. *J. Biol. Chem.* 280, 12292-12298; **IF 5,854; KBN 24**
8. Kowalczyk, L., Rajewska, M., Konieczny, I. (2005) Positioning and the specific sequence of each 13-mer motif are critical for activity of the plasmid RK2 replication origin. *Molec. Microbiol.* 57, 1439-1449; **IF 6,203; KBN 24**
9. Knieszner, H., Schelke, B., Dutkiewicz, R., D'Silva, P., Cheng, S., Ohlson, M., Craig, E.A., Marszałek, J. (2005) Compensation for a defective interaction of the Hsp70 Ssg1 with the mitochondria Fe-S cluster scaffold IUS. *J. Biol. Chem.* 280, 28966-28972; **IF 5,854; KBN 24**
10. D'Silva, P., Marszałek, J., Craig Elisabeth A. (2005) An essential connection: link between Hsp70's domains at last. *Molecular Cell* 20, 493-494; **IF 14,971; KBN 24**
11. Dutkiewicz, R., Marszałek, J., Schilke, B., Craig, Elisabeth A., Lill, R. (2006) The Hsp 70 chaperone Ssq 1 is dispensable for iron-sulfur cluster formation on the scaffold protein Ius. *J. Biol. Chem.* 281, 7801-7808; **IF 5,854; KBN 24**
12. Lewandowska, A., Gierszewska, M., Marszałek, J., Liberek, K. (2006) Hsp 78 chaperone functions in restoration of mitochondria network following heat stress. *BBA Mol Cell Res.* 1763, 141-151; **IF 4,844; KBN 24**
13. Ziętkiewicz, Sz., Lewandowska, A., Stocki, P., Liberek, K. (2006) Hsp 70 chaperone machine remodels protein aggregates at the initial step of Hsp 70-Hsp 100 - dependent disaggregation. *J. Biol. Chem.* 281, 7022-7029; **IF 5,854; KBN 24**
14. Andrew, Amy J., Dutkiewicz, R., Knieszner, H., Craig, Elisabeth A., Marszałek, J. (2006) Characterization of the interaction between the J-protein Jac1p and scaffold Fe-S cluster biogenesis, Ius. *J. Biol. Chem.* 281, 14580-14587; **IF 5,854; KBN 24**
15. Schilke, B., Williams, B., Knieszner, H., Puksza, S., D'Silva, P., Craig, Elisabeth A., Marszałek, J. (2006) Evolution of mitochondria chaperone utilized in Fe-S cluster biogenesis. *Current Biology* 16, 1660-1665; **IF 11,732; KBN 24**