

Publications with more impact factors than the half of their rank
(z-index = 15¹)

1. Pál, C., Papp, B., Lercher, M.J., Csermely, P., Oliver, S.G. and Hurst, L.D. (2006) Chance and necessity in the evolution of minimal metabolic networks. *Nature* 440, 667-670. IF: 26.7
2. Csermely, P. (1997) Proteins, RNAs and chaperones in enzyme evolution: a folding perspective. *Trends in Biochem. Sci.* 22, 147-149. IF: 18.8
3. Soti, Cs., Pal, Cs., Papp, B. and Csermely, P. (2005) Chaperones as regulatory elements of cellular networks. *Curr. Op. Cell Biol.* 17, 210-215, IF: 15.2
4. Csermely, P. (2004) Strong links are important – but weak links stabilize them. *Trends in Biochem. Sci.* 29, 331-334, IF: 14.1
5. Csermely, P. (2008) Creative elements: network-based predictions of active centres in proteins, cellular and social networks. *Trends Biochem. Sci.* 33, 569-576, IF: 14.1. www.arxiv.org/abs/0807.0308 -- a cover story
6. Csermely, P., Palotai, R. and Nussinov, R. (2010) Induced fit, conformational selection and independent dynamic segments: an extended view of binding events. *Trends Biochem. Sci.* 35, in press, IF: 14.1, <http://arxiv.org/abs/1005.0348>
7. Csermely, P. (2001) Chaperone-overload as a possible contributor to “civilization diseases”: atherosclerosis, cancer, diabetes. *Trends in Genetics*, 17, 701-704, IF: 13.2
8. Csermely, P., Ágoston, V. and Pongor, S. (2005) The efficiency of multi-target drugs: the network approach might help drug design. www.arxiv.org/q-bio.MN/0412045 *Trends Pharmacol. Sci.* 26, 178-182, IF: 10.4
9. Török, Zs., Tsvetkova, N.M., Balogh, G., Horváth, I., Nagy, E., Péntes, Z., Hargitai, J., Bensaude, O., Csermely, P., Crowe, J.H., Maresca, B. and Vigh, L. (2003) Heat shock protein co-inducers with no effect on protein denaturation specifically modulate the membrane lipid phase. *Proc. Natl. Acad. Sci. USA* 100, 3131-3136, IF: 10.3
10. Nardai, G., Vegh, E., Prohaszka, Z. and Csermely, P. (2006) Chaperone-related immune dysfunctions: An emergent property of distorted chaperone-networks. *Trends Immunol.* 27, 74-79, IF: 10.2
11. Saad, M.J.A., Folli, F., Araki, E., Hashimoto, N., Csermely, P. and Kahn, C.R. (1994) Regulation of insulin receptor, insulin receptor substrate-1 and phosphatidylinositol 3-kinase in 3T3-F442A adipocytes. Effects of differentiation, insulin and dexamethasone. *Mol. Endocrinol.* 8, 545-557 IF: 7.8
12. Henics, T., Nagy, E., Oh, H-J., Csermely, P., von Gabain, A. and Subject, J.R. (1999) Mammalian Hsp70 and Hsp10 proteins bind to RNA motifs involved in mRNA stability. *J. Biol. Chem.*, 274, 17318-17324 IF: 7.7
13. Csermely, P., Schnaider, T., Söti, Cs., Prohászka, Z. and Nardai, G. (1998) The 90-kDa molecular chaperone family: structure, function and clinical applications. A comprehensive review. *Pharmacology and Therapeutics*, 79, 129-168 IF: 7.7
14. Csermely, P. (1999) The “chaperone-percolator” model: a possible molecular mechanism of Anfinsen-cage type chaperone action. *BioEssays*, 21, 959-965, IF: 7.6
15. Steták, A., Veress, R. Ovádi, J., Csermely, P., Kéri, G. and Ullrich, A. (2007) Nuclear translocation of the tumor marker Pyruvate-Kinase M2 induces programmed cell death. *Cancer Res.* 67, 1602-1608, IF: 7.5
16. Sreedhar, A.S. and Csermely, P. (2004) Heat shock proteins in the regulation of apoptosis. A comprehensive review. *Pharmacology and Therapeutics* 101, 227-257, IF: 7.5

¹Zhang, R. (2009) An index to link scientific productivity with visibility. <http://arxiv.org/abs/0912.3573>