

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. (2001) Chaperone-overload as a possible contributor to “civilization diseases”: atherosclerosis, cancer, diabetes. *Trends in Genetics*, 17, 701-704, IF: 13.2
6. Nussinov, R., Tsai, C.-J. and Csermely, P. (2011) Allo-network drugs: harnessing allostery in cellular networks. *Trends in Pharmacol. Sci.* 32, in press, IF: 11.0
7. 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
8. Csermely, P. (2008) Creative elements: network-based predictions of active centres in proteins, cellular and social networks. *Trends Biochem. Sci.* 33, 569-576, IF: 10.3. www.arxiv.org/abs/0807.0308 -- a cover story
9. 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, 539-546, IF: 10.3, <http://arxiv.org/abs/1005.0348> -- a cover story
10. 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
11. 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
12. Putics, Á, Végh, E.M., Csermely, P. and Söti, C. (2008) Resveratrol induces the heat shock response and protects human cells from severe heat stress. *Antiox. Redox Signaling* 10, 65-76, IF: 8.2
13. 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
14. Henics, T., Nagy, E., Oh, H-J., Csermely, P., von Gabain, A. and Subject, J.R. (1999) Mammalian Hsp70 and Hsp110 proteins bind to RNA motifs involved in mRNA stability. *J. Biol. Chem.*, 274, 17318-17324 IF: 7.7
15. 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
16. Csermely, P. (1999) The “chaperone-percolator” model: a possible molecular mechanism of Anfinsen-cage type chaperone action. *BioEssays*, 21, 959-965, IF: 7.6

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

17. 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
18. 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