

Publications with more impact factors than the half of their rank
(z-index = 18¹)

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. Mendik, P., Dobronyi, L., Hári, F., Kerepesi, C., Maia-Moço, L., Buszlai, D., Csermely, P. és Veres, D. (2019) Translocatome: a novel resource for the analysis of protein translocation between cellular organelles. *Nucleic Acid Res.* 47, D495-D505, IF: 16,8, Q1, D1
4. Söti, 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
5. Csermely, P. (2004) Strong links are important – but weak links stabilize them. *Trends in Biochem. Sci.* 29, 331-334, IF: 14.1
6. Csermely, P., Kunsic, N., Mendik, P., Kerestély, M., Faragó, T. Veres, D.V. és Tompa, P. (2020) Learning of signaling networks: molecular mechanisms. *Trends in Biochemical Sciences* 45, 284-294, IF: 13,8, Q1, D1
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. Sun, D., Ren, X., Ari, E., Korcsmaros, T., Csermely, P. és Wu, L-Y. (2019) Discovering cooperative biomarkers for heterogeneous complex disease diagnoses. *Briefings in Bioinformatics* 20, 89-101. IF: 11,6, Q1, D1
9. Nussinov, R., Tsai, C.-J. and Csermely, P. (2011) Allo-network drugs: harnessing allostery in cellular networks. *Trends in Pharmacol. Sci.* 32, 686-693, IF: 10.9
10. 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: 10.8, <http://arxiv.org/abs/1005.0348> -- a cover story
11. 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
12. 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
13. 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
14. 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
15. Veres, D., Gyurko, D., Thaler, B., Szalay, K., Fazekas, D., Korcsmaros, T. és Csermely, P. (2015) ComPPI: a cellular compartment-specific database for protein-protein interaction network analysis. *Nucleic Acid Res.* 43, D485-D493, IF: 10.1, Q1, D1
16. Barna, J., Csermely, P. és Vellai, T. (2018) Roles of Heat Shock Factor 1 beyond the heat shock response. *Cell. Mol. Life Sci.* 75, 2897-2916, IF: 9,2, Q1, D1

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

17. Csermely, P., Hódsági, J., Korcsmáros, T., Módos, D., Perez-Lopez, A.R., Szalay, K., Veres, D.V., Lenti, K., Wu, L.Y. és Zhang, X.S. (2015) Cancer stem cells display extremely large evolvability: alternating plastic and rigid networks as a potential mechanism. Network models, novel therapeutic target strategies and the contributions of hypoxia, inflammation and cellular senescence. *Seminars in Cancer Biology* 30, 42-51, IF: 9,1, Q1, D1
18. Papp, D., Csermely, P. and Söti, C. (2012) A role for SKN-1/Nrf in pathogen resistance and immunosenescence in *Caenorhabditis elegans*. *PLoS Pathogens*, 8, e1002673, IF: 9.1
19. Nguyen, M. T., Csermely, P. and Söti, C. (2013) Hsp90 chaperones PPAR γ and regulates differentiation and survival of 3T3-L1 adipocytes. *Cell Death Diff.* in press, IF: 8.8