

List of peer-reviewed publications

21. "Circulating metabolites and the risk of type 2 diabetes: a prospective study of 11,896 young adults from four Finnish cohorts", Ahola-Olli, A.V., Mustelin, L., **Kalimeri, M.**, (...), Raitakari, O., Würtz, P., *Diabetologia* (2019)
20. "Molecular mechanism for inhibition of twinfilin by phosphoinositides", M. Hakala, **M. Kalimeri**, G. Enkavi, I. Vattulainen and P. Lappalainen, *Journal of Biological Chemistry* (2018)
19. "Mechanistic principles underlying regulation of the actin cytoskeleton by phosphoinositides", Y. Senju, **M. Kalimeri**, E. V. Koskela, P. Somerharju, H. Zhao, I. Vattulainen, and P. Lappalainen, *Proc. Natl. Acad. Sci. U.S.A.* (2017)
18. "Configurational Disorder of Water Hydrogen-Bond Network at the Protein Dynamical Transition", Rahaman, O., **Kalimeri, M.**, Katava, M., Paciaroni, A., Sterpone, F., *J. Phys. Chem. B* (2017)
17. "Multifractal correlations in natural language written texts: Effects of language family and long word statistics", M. Chatzigeorgiou, V. Constantoudis, F. K. Diakonou, K. Karamanos, C. Papadimitriou, **M. Kalimeri** and H. Papageorgiou, *Physica A* (2017)
16. "Long-range correlations and burstiness in written texts: Universal and language-specific aspects", V. Constantoudis, **M. Kalimeri**, F. K. Diakonou, K. Karamanos, C. Papadimitriou, M. Chatzigeorgiou and H. Papageorgiou, *Int. J. Mod. Phys. B* (2016)
15. "Stability and function at high temperature. What makes a thermophilic GTPase different from its mesophilic homologue", M. Katava, **M. Kalimeri**, G. Stirnemann, and F. Sterpone, *J. Phys. Chem. B* (2016)
14. "Role of internal water on protein thermal stability: The case of homologous G-domains", O. Rahaman, **M. Kalimeri**, S. Melchionna, J. Héning, and F. Sterpone, *J. Phys. Chem. B* (2015)
13. "Word-length entropies and correlations of natural language written texts", **M. Kalimeri***, V. Constantoudis, C. Papadimitriou, K. Karamanos, F. K. Diakonou and H. Papageorgiou, *J Quant Linguist.*, 22, 101-118 (2015), (*Corresponding author)
12. "Are coarse-grained models apt to detect protein thermal stability? The case of OPEP force field", **M. Kalimeri**, P. Derreumaux and F. Sterpone, *J. Non-Cryst. Solids*, 407, 494-501 (2015)
11. "Interface matters: The stiffness route to stability of a thermophilic tetrameric malate dehydrogenase", **M. Kalimeri**, E. Girard, D. Madern and F. Sterpone, *PLoS One*, 9, 12 (2014)
10. "The OPEP coarse-grained protein model: from single molecules, amyloid formation, role of macromolecular crowding and hydrodynamics to RNA/DNA complexes", F. Sterpone, S. Melchionna, P. Tuffery, S. Pasquali, N. Mousseau, T. Cragolini, Y. Chebaro, J.F. St-Pierre, **M. Kalimeri**, A. Barducci, Y. Laurin, A. Tek, M. Baaden, P. H. Nguyen and P. Derreumaux, *Chem. Soc. Rev.*, 43, 4871-4893 (2014)
9. "How Conformational Flexibility Stabilizes the Hyperthermophilic Elongation Factor G-domain", **M. Kalimeri**, O. Rahaman, S. Melchionna and F. Sterpone, *J. Phys. Chem. B*, 117 (44), 13775-13785 (2013)

8. "Importance of the ion-pair interactions in the OPEP coarse-grained force field: parametrization and validation", F. Sterpone, P. H. Nguyen, **M. Kalimeri** and P. Derreumaux, *J. Chem. Theory Comput.*, 9, 4574-4584 (2013)
7. "Entropy analysis of word-length series of natural language texts: Effects of text language and genre", **M. Kalimeri**, V. Constantoudis, C. Papadimitriou, K. Karamanos, F. K. Diakonou and H. Papageorgiou, *International Journal of Bifurcation and Chaos*, 22, 1250223 (2012)
6. "Unfolding the procedure of characterizing recorded ultra low frequency, kHz and MHz electromagnetic anomalies prior to the L'Aquila earthquake as pre-seismic ones - Part 2", K. Eftaxias, G. Balasis, Y. Contoyiannis, C. Papadimitriou, **M. Kalimeri**, L. Athanasopoulou, S. Nikolopoulos, J. Kopanas, G. Antonopoulos and C. Nomicos, *Nat. Hazards Earth Sys. Sci.*, 10, 275-294 (2010)
5. "Unfolding the procedure of characterizing recorded ultra low frequency, kHz and MHz electromagnetic anomalies prior to the L'Aquila earthquake as pre-seismic ones - Part 1", K. Eftaxias, L. Athanasopoulou, G. Balasis, **M. Kalimeri**, S. Nikolopoulos, Y. Contoyiannis, J. Kopanas, G. Antonopoulos and C. Nomicos, *Nat. Hazards Earth Sys. Sci.*, 9, 1953-1971 (2009)
4. "Investigating dynamical complexity in the magnetosphere using various entropy measures", G. Balasis, I. A. Daglis, C. Papadimitriou, **M. Kalimeri**, A. Anastasiadis, and K. Eftaxias, *J. Geophys. Res.*, 114, A00D06, (2009)
3. "Dynamical complexity in Dst time series using non-extensive Tsallis entropy", G. Balasis, I. A. Daglis, C. Papadimitriou, **M. Kalimeri**, A. Anastasiadis and K. Eftaxias, *Geophys. Res. Lett.*, 35, L14102 (2008)
2. "Nonextensivity and universality in the earthquake preparation process", C. Papadimitriou, **M. Kalimeri**, K. Eftaxias, *Phys. Rev. E*, 77 (3) (2008)
1. "Dynamical complexity detection in pre-seismic emissions using nonadditive Tsallis entropy", **M. Kalimeri**, C. Papadimitriou, G. Balasis and K. Eftaxias, *Phys. A*, 387 (5-6), pp. 1161-1172 (2008)