

- 1- Bağcı G. B. (with Oikonomou T.), Clausius versus Sackur–Tetrode entropies, *Stud. in Hist. and Phil. of Sci. Part B.* 44 (2013) 63-68.
- 2 Bağcı G. B. and Oikonomou Thomas, “Tsallis power laws and finite baths with negative heat capacity”, *Phys. Rev. E* 88 (2013) 042126.
- 3- Pereira T. , Eroglu D., Bağcı G. B., Tırnaklı U and Jensen H. J., “Connectivity driven coherence in complex networks”, *Phys. Rev. Lett.* 110 (2013) 234103.
- 4- Afşar Özgür, Bağcı G. B. and Tırnaklı U., “Renormalized entropy for one dimensional discrete maps: periodic and quasi-periodic route to chaos and their robustness”, *EPJ B* 86:307 (2013).
- 5- Bağcı G. B., Tırnaklı U. and Kurths Juergen, “Second law for transitions between nonequilibrium steady states”, *Phys. Rev. E* 87 (2013) 032161.
- 6- Diana G., Bağcı G. B. and Esposito M., “Finite-time erasing of information stored in fermionic bits”, *Phys. Rev. E* 87 (2013) 012111.
- 7- Oikonomou T. Bağcı G. B. and Tırnaklı U., “Canonical equilibrium distribution derived from Helmholtz potential”, *Physica A* 391 (2012) 6386.
- 8- Eroglu Deniz, Ozkan Meltem and Bağcı G. B., “q-thermostatistics of noise-driven Van der Pol oscillator”, *Physica A* 390 (2011) 1417.
- 9- Oikonomou T. and Bağcı G. B., “A Completeness Criterion for Kaniadakis, Abe And Two-parameter generalized statistical theories”, *Reports on Mathematical Physics* 66 (2010) 137.
- 10- Oikonomou T. and Bağcı G. B., “The maximization of Tsallis entropy with complete deformed functions and the problem of constraints”, *Physics Letters A* 374 (2010) 2225.
- 11- Oikonomou T. and Bağcı G. B., “A note on the definition of deformed exponential and logarithm functions”, *J. Math. Phys.* 50 (2009).
- 12- Bağcı G. B. and Tırnaklı U., “Self-Organization in nonadditive systems with external noise”, *Int. J. Bif. Chaos* 19 (2009) 4247.
- 13- Bağcı G. B. “Gibbs' theorem for open systems with incomplete statistics”, *Chaos Solitons and Fractals* 42 (2009) 265.
- 14- Bağcı G. B. and Tırnaklı U., “On the way towards a generalized entropy maximization procedure”, *Phys. Lett. A* 373 (2009) 3230.
- 15- Bağcı G. B. and Tırnaklı U., “Self-organization in dissipative optical lattices”, *Chaos* 19 (2009) 033113.
- 16- Bağcı G. B., “Nonadditive open systems and the problem of constraints”, *Int. J. Mod. Phys. B* (2008) 3381.

17- Bađcı G. B., Arda A. and Sever R., “Quantum mechanical treatment of the problem of constraints in non-extensive formalism revisited”, *Mod. Phys. Lett. B* (2007) 981.

18- Bađcı G. B., “Nonextensive reaction rate”, *Physica A* (2007) 79.

19- Campisi M. and Bađcı G. B., “Tsallis ensemble as an exact orthode”, *Phys. Lett. A* (2007) 11.

20- Bađcı G. B., Arda A. and Sever R., “On the problem of constraints in nonextensive formalism: A quantum mechanical treatment”, *Int. J. Mod. Phys. B* (2006) 2085.

21- Abe S. and Bađcı G. B., “Necessity of q-expectation value in nonextensive statistical mechanics”, *Phys. Rev. E* (2005) 016139.

22- Bađcı G. B., Sever R. and Tezcan C., “Non-extensive study of rigid and non-rigid rotators”, *Mod. Phys. Lett. B* (2004) 467.