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## Publications

### Journals

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- Elyasizad, L. and Niry, M.D., "Local Violation of Conservation in the Abelian Sandpile Model Through Fractal Patterns of Non-conservative Sites", Journal of Statistical Physics, Vol. 184, NO. 1, 2021
- Farzadian, O. and Oikonomou, T. and Good, M.R.R. and Niry, M.D., "Entropic analysis of the localization?delocalization transition in a one-dimensional correlated lattice", Physica A, Vol. 545, NO. 1, 2020
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- Goodarzinick, A. and Niry, M.D. and Valizadeh, A. and Perc, M., "Robustness of functional networks at criticality against structural defects", Physical Review E, Vol. 98, NO. 2, 2018
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- Farzadian, O. and Niry, M.D., "Delocalization of mechanical waves in the ladder chain of DNA with correlated disorder", Physica A, Vol. 450, NO. 2, 2016



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- Sepehrinia, R. and Nirry, M.D. and Bozorg, B. and Tabar, M.R.R. and Sahimi, M., "Exact Lyapunov exponent of the harmonic magnon modes of one-dimensional Heisenberg-Mattis spin glasses", *Physical Review B*, Vol. 77, NO. 10, 2008
- Bahraminasab, A. and Nirry, M.D. and Davoudi, J. and Tabar, M.R.R. and Masoudi, A.A. and Sreenivasan, K.R., "Taylor's frozen-flow hypothesis in Burgers turbulence", *Physical Review E*, Vol. 77, NO. 6, 2008
- Bahraminasab, A. and Allaei, S.M.V. and Shahbazi, F. and Sahimi, M. and Nirry, M.D. and Tabar, M.R.R., "Renormalization



group analysis and numerical simulation of propagation and localization of acoustic waves in heterogeneous media", Physical Review B, Vol. 75, NO. 6, 2007

- Abedpour, N. and Nir, M.D. and Bahraminasab, A. and Masoudi, A.A. and Davoudi, J. and Sahimi, M. and Tabar, M.R.R., "Stochastic  $\phi^4$ -theory in the strong coupling limit", Nuclear Physics B, Vol. 761, NO. 3, 2007
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