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## Publications

### Journals

- 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

- Khoddam, M. and Sheidafar, Z. and Niry, M.D. and Khajehpour, M.R.H., "Criticality in collective behavior of biogenic single-domain nanomagnetites", Physical Review E, Vol. 98, NO. 3, 2018

- 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

- Farzadian, O. and Niry, M.D., "Role of short-range correlation in facilitation of wave propagation in a long-range ladder chain", Physica A, Vol. 505, NO. 2, 2018

- 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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- Rasouli, S. and Niry, M.D. and Rajabi, Y. and Panahi, A.A. and Niemela, J.J., "Applications of 2-D moiré deflectometry to atmospheric turbulence", Journal of Applied Fluid Mechanics, Vol. 7, NO. 4, 2014

- Niry, M.D. and Mostafavi-Amjad, J. and Khalesifard, H.R. and Ahangary, A. and Azizian-Kalandaragh, Y., "Formation of silver nanoparticles inside a soda-lime glass matrix in the presence of a high intensity $Ar^{+}$ laser beam", Journal of Applied Physics, Vol. 111, NO. 3, 2012

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- Saberi, A.A. and Niry, M.D. and Fazeli, S.M. and Rahimi Tabar, M.R. and Rouhani, S., "Conformal invariance of isoheight lines in a two-dimensional Kardar-Parisi-Zhang surface", Physical Review E, Vol. 77, NO. 5, 2008

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

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