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Publications

Journals

- Zhalefar, Amir Mahdi and Narimani, Zahra, "A subspace learning aided matrix factorization for drug repurposing", BioImpacts: BI, Vol. 15, 2025

- Allahyari, M and Narimani, Z and Daraei, M and Bayet-goll, A, "Identification of electrofacies using K-means and Linkage clustering methods; Application to establishing a zonation for the Asmari reservoir in the Cheshmekhosh field", Applied Sedimentology, Vol. 13, NO. 25, 2025

- Esmaeili, Fariba and Narimani, Zahra and Vasighi, Mahdi, "Discovering SNP-disease relationships in genome-wide SNP data using an improved harmony search based on SNP locus and genetic inheritance patterns", Plos one, Vol. 18, NO. 10, 2023

- Lanjanian, Hossein and Hosseini, Shadi and Narimani, Zahra and Meknatkhah, Sogol and Riazi, Gholam Hossein, "A knowledge-based protein-protein interaction inhibition (KPI) pipeline: an insight from drug repositioning for COVID-19 inhibition", Journal of Biomolecular Structure and Dynamics, Vol. 41, NO. 21, 2023

- Hosseinkhan, Nazanin and Narimani, Zahra and Masoudi-Khoram, Nastaran and Khamseh, Mohammad E, "The higher body mass index is associated with a lower somatic mutation

dependency in hepatocellular carcinoma", Informatics in Medicine Unlocked, Vol. 37, 2023

- Mohammadi, Sara and Narimani, Zahra and Ashouri, Mitra and Firouzi, Rohoullah and Karimi-Jafari, Mohammad Hossein, "Ensemble learning from ensemble docking: Revisiting the optimum ensemble size problem", Scientific reports, Vol. 12, NO. 1, 2022

- Adineh, Amir Hossein and Narimani, Zahra and Satapathy, Suresh Chandra, "Importance of data preprocessing in time series prediction using SARIMA: A case study", International Journal of Knowledge-Based and Intelligent Engineering Systems, Vol. 24, NO. 4, 2020

- Iman, Maryam and Narimani, Zahra and Hamraz, Iman and Ansari, Ebrahim, "Network based identification of different mechanisms underlying pathogenesis of human papilloma virus-active and human papilloma virus-negative oropharyngeal squamous cell carcinoma", Journal of the Chinese Chemical Society, Vol. 65, NO. 11, 2018

- Narimani, Zahra and Beigy, Hamid and Ahmad, Ashar and Masoudi-Nejad, Ali and Fr{\"o}hlich, Holger, "Expectation propagation for large scale Bayesian inference of non-linear molecular networks from perturbation data", PloS one, Vol. 12, NO. 2, 2017

- Zarrineh, Peyman and S{\'a}nchez-Rodr{\'\i}guez, Aminael and Hosseinkhan, Nazanin and Narimani, Zahra and Marchal, Kathleen and Masoudi-Nejad, Ali, "Genome-scale co-expression network comparison across Escherichia coli and Salmonella enterica serovar Typhimurium reveals significant conservation at the regulon level of local regulators despite their dissimilar lifestyles", PLoS One, Vol. 9, NO. 8, 2014

- Bidkhori, Gholamreza and Narimani, Zahra and Hosseini Ashtiani, Saman and Moeini, Ali and Nowzari-Dalini, Abbas and Masoudi-Nejad, Ali, "Reconstruction of an integrated genome-

scale co-expression network reveals key modules involved in lung adenocarcinoma", PloS one, Vol. 8, NO. 7, 2013

- Narimani, Zahra and Beigy, Hamid and Abolhassani, Hassan, "A new genetic algorithm for multiple sequence alignment", International Journal of Computational Intelligence and Applications, Vol. 11, NO. 4, 2012

- Azadeh, Jalilian and Narimani, Zahra and Ansari, Ebrahim, "Static signature-based malware detection using opcode and binary information", Data Science: From Research to,