

Матић Драган - библиографија

Радови у часописима са Web of Science, Scopus, SCIndex (M24 ili M51), CPCI-S/CPCI-SSH listama

Радови са Web of Science

1. Borojević, S., Matić, D. i Dragić, M. (2022). An Integrated Intelligent CAD/CAPP Platform: Part II – Operation Sequencing Based on Genetic Algorithm. *Tehnički vjesnik*, 29 (5), 1686-1695.
2. M. Djukanović, A. Kartelj, D. Matić, M. Grbić, C. Blum, G. R. Raidl, Graph search and variable neighborhood search for finding constrained longest common subsequences in artificial and real gene sequences, *Applied Soft Computing*, 2022, 108844, <https://doi.org/10.1016/j.asoc.2022.108844>.
3. Nikolic, B., Djukanovic, M. & Matic, D. New mixed-integer linear programming model for solving the multidimensional multi-way number partitioning problem. *Comp. Appl. Math.* 41, 119 (2022).
4. Kartelj A, Grbić M, Matić D, Filipović V, The Roman Domination Number of Some Special Classes of Graphs, 1-20, *Applicable Analysis and Discrete Mathematics*, 2021.
5. Grbić, M, Matić, D, Kartelj A, Vračević S, Filipović V, „A three-phase method for identifying functionally related protein groups in weighted PPI networks“, *Computational Biology and Chemistry*, 86, 107246, 2020
6. J. Kratica, D. Matić, and V. Filipović, „Weakly convex and convex domination numbers for generalized Petersen and flower snark graphs“, *Revista de la Unión Matemática Argentina*, 61 (2), 441-456, 2020
7. M. Grbić, A. Kartelj, S. Janković, D. Matić and V. Filipović, „Variable neighborhood search for partitioning sparse biological networks into the maximum edge-weighted k -plexes,“ *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 17(5) 1822-1831, 2019. doi: 10.1109/TCBB.2019.2898189
8. Maksimovic, Z. L., Kratica, J. J., Savic, A. L., & Matic, D. (2018). Solving the Multidimensional Maximum Bisection Problem by a Genetic Algorithm and Variable Neighborhood Search. *Journal of Multiple-Valued Logic & Soft Computing*, 31(4)

Радови категорије M24 или M51

1. Grbić, Milana, Vukašin Crnogorac, Milan Predojević, Aleksandar Kartelj, and Dragan Matić. „Supportness of the protein complex standards in PPI networks.“ *Journal of Information and Telecommunication* (2021): 1-21.

Радови у националним часописима прве категорије

1. Predojević, Milan, Marko Đukanović, Milana Grbić, and Dragan Matić. „Can Greedy-like Heuristics Be Useful for Solving the Weighted Orthogonal Art Gallery Problem Under Regular Grid Discretization?.” *International Journal of Electrical Engineering and Computing* 5, no. 2 (2021): 77-85.

Радови у националним часописима (друге и треће категорије), зборницима и монографијама

1. D. Matić and M. Grbić, „Partitioning Weighted Metabolic Networks into Maximally Balanced Connected Partitions,” 2020 19th International Symposium INFOTEH-JAHORINA (INFOTEH), East Sarajevo, Bosnia and Herzegovina, 2020, pp. 1-6.
2. M. Grbić, V. Crnogorac, M. Predojević, A. Kartelj and D. Matić, „How well are known protein complexes supported in PPI networks?,” 2020 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Novi Sad, Serbia, 2020, pp. 1-7, doi: 10.1109/INISTA49547.2020.9194663
3. V. Crnogorac, M. Grbić, M. Đukanović and D. Matić, „Clustering of European countries and territories based on cumulative relative number of COVID 19 patients in 2020,” 2021 20th International Symposium INFOTEH-JAHORINA (INFOTEH), East Sarajevo, Bosnia and Herzegovina, 2021, pp. 1-6, doi: 10.1109/INFOTEH51037.2021.9400670.
4. T. Zec, A. Kartelj, M. Djukanović, M. Grbić and D. Matić, „Statistical analysis of correlation between weather parameters and new COVID-19 cases: a case study of Bosnia and Herzegovina,” 2021 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), 2021, pp. 1-6, doi: 10.1109/INISTA52262.2021.9548391.
5. M. Jaguzović, M. Grbić, M. Đukanović and D. Matić, „Identification of protein complexes by overlapping community detection algorithms: A comparative study,” 2022 21st International Symposium INFOTEH-JAHORINA (INFOTEH), 2022, pp. 1-6.
6. Djukanovic, Marko, Dragan Matic, Christian Blum, and Aleksandar Kartelj. „Application of A* to the Generalized Constrained Longest Common Subsequence Problem with Many Pattern Strings.” In *Pattern Recognition and Artificial Intelligence: Third International Conference, ICPRAI 2022, Paris, France, June 1–3, 2022, Proceedings, Part II*, pp. 53-64. 2022.
7. M. Jaguzovic, N. Vilendečić, M. Grbić and D. Matić, "On similarity of PPI subnetworks induced by important proteins: A case study," 2023 22nd International Symposium INFOTEH-JAHORINA (INFOTEH), East Sarajevo, Bosnia and Herzegovina, 2023, pp. 1-6, doi: 10.1109/INFOTEH57020.2023.10094129.