

## Díjazott publikációk, Informatikai Kar, 2020

### Folyóiratcikkek, Q1

1. Aman, B., **Battyányi, P.**, Ciobanu, G., **Vaszil, G.**: Local time membrane systems and time Petri nets. *Theor. Comput. Sci.* 805 175-192, 2020.
2. Arany, P., **Papp, I.**, **Bodroginé Zichar, M.**, Csontos, M., Elek, J., Regdon, G., Budai, I., Béres, M., Gesztelyi, R., Fehér, P., Ujhelyi, Z., Vasvári, G., Haimhoffer, Á., Fenyvesi, F., Váradi, J., Vecsernyés, M., Bácskay, I.: In Vitro Tests of FDM 3D-Printed Diclofenac Sodium-Containing Implants. *Molecules.* **25** (24), 1-31, 2020.
3. **Balla, D.**, **Bodroginé Zichar, M.**, Tóth, R., Kiss, E., Karancsi, G., Mester, T.: Geovisualization Techniques of Spatial Environmental Data Using Different Visualization Tools. *Appl. Sci.-Basel.* **10** (19), 1-14, 2020.
4. **Baran, S.**, **Baran, Á.**, Pappenberger, F., Ben Bouallègue, Z.: Statistical post-processing of heat index ensemble forecasts: Is there a royal road? *Q. J. R. Meteorol. Soc.* **146** (732), 3416-3434, 2020.
5. Csapó, G., **Csernoch, M.**, Abari, K.: Sprego: case study on the effectiveness of teaching spreadsheet management with schema construction. *Educ. Inf. Technol.* **25** (3), 1585-1605, 2020.
6. Fábri, C., Lasorne, B., **Halász, G.**, Cederbaum, L., Vibók, Á.: Quantum light- induced nonadiabatic phenomena in the absorption spectrum of formaldehyde: Full- and reduced-dimensionality studies. *J. Chem. Phys.* **153** (23), 1-11, 2020.
7. Fábri, C., Lasorne, B., **Halász, G.**, Cederbaum, L., Vibók, Á.: Striking Generic Impact of Light-Induced Non-Adiabaticity in Polyatomic Molecules. *J. Phys. Chem. Lett.* **11** (13), 5324-5329, 2020.
8. Ghorri, K., Abbasi, R., Awais, M., Imran, M., Ullah, A., **Szathmáry, L.**: Performance Analysis of Different Types of Machine Learning Classifiers for Non-Technical Loss Detection. *IEEE Access.* **8** 16033-16048, 2020.
9. Machado, M., Reisen, V., Santos, J., Reis, N., Frère, S., Bondon, P., **Ispány, M.**, Cotta, H.: Use of multivariate time series techniques to estimate the impact of particulate matter on the perceived annoyance. *Atmos. Environ.* **222** 1-24, 2020.
10. Nazarov, A., **Sztrik, J.**, Kvach, A., **Tóth, Á.**: Asymptotic sojourn time analysis of finite-source M/M/1 retrial queueing system with collisions and server subject to breakdowns and repairs. *Ann. Oper. Res.* **288** 417-434, 2020.
11. Novák, T., **Balla, D.**, Kamp, J.: Changes in anthropogenic influence on soils across Europe 1990-2018. *Appl. Geogr.* **124** 1-10, 2020.
12. Pawlak, M., Szidarovszky, T., **Halász, G.**, Vibók, Á.: Robust field-dressed spectra of diatomics in an optical lattice. *Phys. Chem. Chem. Phys.* **22** (6), 3715-3723, 2020.
13. Porwal, P., Pachade, S., Kokare, M., Deshmukh, G., Son, J., Bae, W., Liu, L., Wang, J., Liu, X., Gao, L., Wu, T., Xiao, J., Wang, F., Yin, B., Wang, Y., Danala, G., He, L., Choi, Y., Lee, Y., Jung, S., Li, Z., Sui, X., Wu, J., Li, X., Zhou, T., **Tóth, J.**, **Baran, Á.**, Kori, A., Chennamsetty, S., Safwan, M., Alex, V., Lyu, X., Cheng, L., Chu, Q., Li, P., Ji, X., Zhang, S., Shen, Y., Dai, L., Saha, O., Sathish, R., Melo, T., Araújo, T., **Harangi, B.**, Sheng, B., Fang, R., Sheet, D., **Hajdu, A.**, Zheng, Y., Mendonça, A., Zhang, S., Campilho, A., Zheng, B., Shen, D., Giancardo, L., Quéllec, G., Mériaudeau, F.: IDRiD: Diabetic Retinopathy: segmentation and grading challenge. *Med. Image Anal.* **59** 1-26, 2020.
14. **Sütő, J.**, **Oniga, I.**, Lung, C., Orha, I.: Comparison of offline and real-time human activity recognition results using machine learning techniques. *Neural Comput. Appl.*

- 32** (20), 15673-15686, 2020.
15. Szabó, B., Fazekas, L., Ghanem, S., **Godó, Z.**, Madar, J., Apró, A., Németh, N.: Biomechanical comparison of microvascular anastomoses prepared by various suturing techniques. *Injury-Int. J. Care Inj.* **51** (12), 2866-2873, 2020.
  16. Szidarovszky, T., **Halász, G.**, Vibók, Á.: Three-player polaritons: nonadiabatic fingerprints in an entangled atom-molecule-photon system. *New J. Phys.* **22** (5), 1-7, 2020.
  17. Tóth, F., **Gáll, J.**, Tózsér, J., Hegedűs, C.: Effect of inducible bone morphogenetic protein 2 expression on the osteogenic differentiation of dental pulp stem cells in vitro. *Bone.* **132** 1-9, 2020.
  18. **Tóth, J., Tomán, H., Hajdu, A.**: Efficient sampling-based energy function evaluation for ensemble optimization using simulated annealing. *Pattern Recognit.* **107** 1-12, 2020.