Lista celor mai relevante 10 publicații

În calitate de prim autor, identific următoarele două publicații ca fiind cele mai relevante:

1. **Puiu, A**., Gómez Tapia, C., Weiss, M. E. R., Singh, V., Kamen, A., & Siebert, M. (2024). Prediction uncertainty estimates elucidate the limitation of current NSCLC subtype classification in representing mutational heterogeneity. Scientific Reports, 14(1), 6779. https://doi.org/10.1038/s41598-024-57057-3. **(SRI: 1.836)**

2. 2. **Puiu, A.**, Reaungamornrat, S., Pheiffer, T., Itu, L. M., Suciu, C., Ghesu, F. C., & Mansi, T. (2022). Generative Adversarial CT Volume Extrapolation for Robust Small-to-Large Field of View Registration. Applied Sciences, 12(6), 2944. https://doi.org/10.3390/app12062944. **(SRI: 0.91)**

În calitate de co-autor, cele mai relevante publicații sunt următoarele:

3. Benedek, T., Ferent, I., Benedek, A., Cernica, D., Nita, C., **Puiu, A.**, Itu, L., Rapaka, S., Puneet, S., & Benedek, I. S. (2020). P1434 Evolution of coronary wall shear stress following implantation of bioabsorbable vascular scaffolds—First results of a 1-year follow-up pilot study. European Heart Journal - Cardiovascular Imaging, 21(Supplement_1), jez319.863. https://doi.org/10.1093/ehjci/jez319.863. **(SRI: 13.711)**

4. Ciusdel, C., Turcea, A., **Puiu, A.**, Itu, L., Calmac, L., Weiss, E., Margineanu, C., Badila, E., Passerini, T., Gulsun, M., & Sharma, P. (2018). TCT-231 An artificial intelligence based solution for fully automated cardiac phase and end-diastolic frame detection on coronary angiographies. Journal of the American College of Cardiology, 72(13), B96–B97. https://doi.org/10.1016/j.jacc.2018.08.1356. **(SRI: 12,41)**

5. Ciusdel, C., Turcea, A., **Puiu, A.**, Itu, L., Calmac, L., Weiss, E., Margineanu, C., Badila, E., Berger, M., Redel, T., Passerini, T., Gulsun, M., & Sharma, P. (2020). Deep neural networks for ECG-free cardiac phase and end-diastolic frame detection on coronary angiographies. Computerized Medical Imaging and Graphics, 84, 101749. https://doi.org/10.1016/j.compmedimag.2020.101749. **(SRI: 1,888)**

6. Scafa-Udriște, A., Itu, L., **Puiu, A.**, Stoian, A., Moldovan, H., & Popa-Fotea, N.-M. (2023). In-stent restenosis in acute coronary syndrome—a classic and a machine learning approach. Frontiers in Cardiovascular Medicine, 10. https://doi.org/10.3389/fcvm.2023.1270986. **(SRI: 1,161)**

7. Tache, I. A., Hatfaludi, C. A., **Puiu, A.**, Itu, L. M., Popa-Fotea, N. M., Calmac, L., & Scafa-Udriste, A. (2023). Assessment of the functional severity of coronary lesions from optical coherence tomography based on ensembled learning. BioMedical Engineering Online, 22(1). https://doi.org/10.1186/s12938-023-01192-x (1,076)

8. Ogrezeanu, I., Vizitiu, A., Ciușdel, C., **Puiu, A.**, Coman, S., Boldișor, C., Itu, A., Demeter, R., Moldoveanu, F., Suciu, C., & Itu, L. (2022). Privacy-Preserving and Explainable AI in Industrial Applications. Applied Sciences, 12(13), 6395. https://doi.org/10.3390/app12136395. **(SRI: 0.91)**

9. Hatfaludi, C. A., Tache, I. A., Ciușdel, C. F., Puiu, A., Stoian, D., Itu, L. M., Calmac, L., Popa-Fotea, N. M., Bataila, V., & Scafa-Udriste, A. (2022). Towards a Deep-Learning Approach for Prediction of Fractional Flow Reserve from Optical Coherence Tomography. Applied Sciences (Switzerland), 12(14). https://doi.org/10.3390/app12146964. **(SRI: 0,91)**

10. Vizitiu, A., Niță, C. I., **Puiu, A.**, Suciu, C., & Itu, L. M. (2020). Applying Deep Neural Networks over Homomorphic Encrypted Medical Data. Computational and Mathematical Methods in Medicine, 2020, 1–26. https://doi.org/10.1155/2020/3910250.