

Lista publicatii - Rareş Ifrim

1. (Q2 Journal, IF 1.8) Ifrim, Rares, and Decebal Popescu. "BPAP: FPGA Design of a RISCLike Processor for Elliptic Curve Cryptography Using Task-Level Parallel Programming in High-Level Synthesis." *Cryptography* 9, no. 1 (2025): 20, WOS:001451960300001
2. (Q2 Journal, IF 3.1) Ifrim, Rares, Dumitrel Loghin, and Decebal Popescu. "A Systematic Review of Fast, Scalable, and Efficient Hardware Implementations of Elliptic Curve Cryptography for Blockchain." *ACM Transactions on Reconfigurable Technology and Systems* 17, no. 4 (2024): 1-33, WOS:001367833200003.
3. Channa, Asma, Giuseppe Ruggeri, Rares-Cristian Ifrim, Nadia Mammone, Antonio Iera, and Nirvana Popescu. "Cloud-Connected Bracelet for Continuous Monitoring of Parkinson's Disease Patients: Integrating Advanced Wearable Technologies and Machine Learning." *Electronics* 13, no. 6 (2024): 1002. WOS:001191760100001
4. (WoS Conference Proceedings) Ifrim, Rares, Dumitrel Loghin, and Decebal Popescu. "Baldur: A hybrid blockchain database with FPGA or GPU acceleration." In *Proceedings of the 1st Workshop on Verifiable Database Systems*, pp. 19-27 (2023), WOS:001122745300003.
5. Avatavului, Cristian-Dumitru, Rares-Cristian Ifrim, and Mihai Voncila "Can Neural Networks Enhance Physics Simulations?." *BRAIN. Broad Research in Artificial Intelligence and Neuroscience* 14, no. 2 (2023): 76-92. WOS:001050755300006
6. Channa, Asma, Giuseppe Ruggeri, Nadia Mammone, Rares-Cristian Ifrim, Antonio Iera, and Nirvana Popescu. "Parkinson's disease severity estimation using deep learning and cloud technology." In *2022 IEEE International Conference on Omni-layer Intelligent Systems (COINS)*, pp. 1-7. IEEE (2022). WOS:000859114600060
7. Channa, Asma, Rares-Cristian Ifrim, Decebal Popescu, and Nirvana Popescu. "A-WEAR Bracelet for Detection of Hand Tremor and Bradykinesia in Parkinson's Patients." *Sensors* 21, no. 3: 981. <https://doi.org/10.3390/s21030981> (2021) WOS:000615495300001