

C1.1. Lucrări indexate ISI Web of Science - 2025

Nr.	Numele autorului/ autorilor	Titlul lucrării	Numele revistei	ISSN	Numar revista si Volum	Anul publicării	Interval pagini	DOI
1	Brasoveanu F.-A., M. Hulea, A. Burlacu	SpiKon-E: Hybrid Soft Artificial Muscle Control Using Hardware Spiking Neural Network	Biomimetics	2313-7673	10(10)	2025	697-716	10.3390/biomimetics10100697
2	Vlasceanu I.M., V.C.D. Ceapa, I.S. Sacala, C.F. Caruntu, A.I. Udrea, N. Constantin, M. Segarceanu	Comparative Evaluation of Fuzzy Logic and Q-Learning for Adaptive Urban Traffic Signal Control	Electronics	2079-9292	14	2025	2759	10.3390/electronics14142759
3	Alupoaei S.I., C.F. Caruntu	Optimizing Urban Traffic Efficiency and Safety via V2X: A Simulation Study Using the MOSAIC Platform	Sensors	1424-8220	25	2025	5418	10.3390/s25175418
4	Chindrus C., C.F. Caruntu	Machine Learning-Based Multilabel Classification for Web Application Firewalls: A Comparative Study	Electronics	2079-9292	14	2025	4172	10.3390/electronics14214172
5	Botezatu P-A, A. Iancu, A. Burlacu	Hybrid Deep Learning Framework for Eye-in-Hand Visual Control Systems	Robotics	2218-6581	14(5)	2025	01-22	10.3390/robotics14050066
6	Popovici C.-A., A. Stan, N.-A. Botezatu, V.-I. Manta	RiscADA: RISC-V Extension for Optimized Control of External D/A and A/D Converters	Electronics	2079-9292	14(15)	2025	3152	10.3390/electronics14153152
7	Fodor D.A., O. Zvoristeanu, D.F. Chitariu, A. Munteanu, S.D. Achirei, V.I. Manta, N.E. Seghedin	Compensation of Leg Length Discrepancy Using Computer Vision in a Self-Adaptive Transtibial Prosthesis	Technologies	2227-7080	13(8)	2025	319-343	10.3390/technologies13080319
8	Alexandrescu A.; D.-E. Barbuța; C.-N. Butincu; A. Archip; S.-D. Paval; C. Mironeanu; G.-A. Scinteie	Design Analysis for a Distributed Business Innovation System Employing Generated Expert Profiles, Matchmaking, and Blockchain Technology	Future Internet	1999-5903	17(4)	2025	1-37	10.3390/fi17040171
9	Brezeanu G., A. Archip, C.-G. Artene	Phish Fighter: Self Updating Machine Learning Shield Against Phishing Kits Based on HTML Code Analysis	IEEE Access	2169-3536	13	2025	4460-4486	10.1109/ACCESS.2025.3525998
10	Sarmasanu V.-S., C.N. Butincu, V.I. Manta, A. Stoleru	Audio Stream Segmentation Based on Nonlinear Diffusion Filtering (Perona-Malik Approach)	IEEE Access	2169-3536	13	2025	191771-191780	10.1109/ACCESS.2025.3629548
11	Heghea M.-C., S.-D. Paval, V.-I. Manta	Reaction-Diffusion Applications to Data Dynamic Clustering and Partitioning	Discrete and Continuous Dynamical Systems - Series S	1937-1632	Early Access	2025	18	10.3934/dcdss.2025042
12	Axinte C.-T., A. Stan, V.-I. Manta	Embedded Streaming Hardware Accelerators Interconnect Architectures and Latency Evaluation	Electronics	2079-9292	14(8)	2025	1513	10.3390/electronics14081513
13	Tudorache A., R. Luca	Positive Solutions for a Semipositone Singular ψ -Riemann-Liouville Fractional Boundary Value Problem	Mathematics	2227-7390	13(20)	2025	1-24	10.3390/math13203292
14	A.-G. Tudorache	A Detailed Set of Ideas for Designing a Quantum Computing Framework Based on Smart Contracts, Configured Using Foundry and Qiskit	EMITTER International Journal of Engineering Technology	2355-391X	13(1)	2025	139-155	10.24003/emitter.v13i1.949
15	Tudorache A., R. Luca	A Hadamard fractional boundary value problem on an infinite interval at resonance	Fractal and Fractional	2504-3110	9(378)	2025	1-34	10.3390/fractalfract9060378
16	Luca R., A. Tudorache	Existence of solutions for a Hadamard fractional boundary value problem at resonance	Fractal and Fractional	2504-3110	9(119)	2025	1-25	10.3390/fractalfract9020119
17	Barbu T., C. Moroșanu, S.-D. Paval	A Fokker-Planck Model for Optical Flow Estimation and Image Registration	Mathematics	2227-7390	13(17)	2025		10.3390/math13172807
18	Chihaia R., F. Leon, M. Trocan	From Text to Idea Embeddings: A Review on Quintessential Information Extraction	Journal of Information and Telecommunication	2475-1839		2025	1-30	10.1080/24751839.2025.2587991
19	Gavrilescu M., F. Leon, A.-A. Minea	Techniques for Transversal Skill Classification and Relevant Keyword Extraction from Job Advertisements	Information	2078-2489	16(3)	2025	1-24	10.3390/info16030167
20	Bunea G., F. Leon, I.-O. Toma	Machine Learning Approach in the Quantitative Evaluation of the Seismic Behaviour for 3D Reinforced Concrete Frame Structures	Structures (Elsevier)	2352-0124	80	2025	1-21	10.1016/j.istruc.2025.109750
21	Leon F., P. Cascaval	Optimization Method for Reliability-Redundancy Allocation Problem in Large Hybrid Binary Systems	Mathematics	2227-7390	13(15)	2025	1-25	10.3390/math13152450
22	Hustiu S., J. Ezepleta, C. Mahulea, M. Kloetzer	Multi-robot motion planning based on Nets-within-Nets modeling and simulation	Robotics and Autonomous Systems	0921-8890	Volum 197	2026		10.1016/j.robot.2025.105287

23	Baciu A., C. Lazar	Gradient vs. Non-Gradient-Based Model Free Control Algorithms: Analysis and Applications to Nonlinear Systems	Applied Sciences	2076-3417	15(5)	2025		10.3390/app15052766
24	Crary C., W. Piard, G. Stitt, B. Hicks, C. Bean, B. Burlacu, W. Banzhaf	Using FPGA devices to accelerate the evaluation phase of tree-based genetic programming: an extended analysis	Genetic Programming and Evolvable Machines	1389-2576		2025		10.1007/s10710-024-09505-2
25	O de Franca F., M. Virgolin, M. Kommenda, M.S. Majumder, M. Cranmer, G. Espada, L. Ingelse, A. Fonseca, M. Landajuela, B. Petersen, R. Glatt, N. Mundhenk, C.S. Lee, J. D Hochhalter, D.L. Randall, P. Kamienny, H. Zhang, G. Dick, A. Simon, B. Burlacu, J. Kasak, M. Machado, C. Wilstrup, W. G La Cavaz	SRBench++: Principled Benchmarking of Symbolic Regression With Domain-Expert Interpretation	IEEE Transactions on Evolutionary Computation	1089-778X		2025	1127-1137	10.1109/TEVC.2024.3423681
26	Gavrila M., M.-G. Murariu, D.-E. Barbuta, M. Fotache, L. Trifina, D. Tarniceriu	A Blockchain-Based System for Monitoring Sobriety and Tracking Location of Traffic Drivers	Sensors	2079-9292	18(14)	2025		10.3390/electronics14183728
27	Sorescu T.-G , V.-M. Chiriac, M.-A. Stoica, C.-R. Comsa, I.-G. Soroaga, A. Contac	Comparative Performance Analysis of Lightweight Cryptographic Algorithms on Resource-Constrained IoT Platforms	Sensors	1530-437X	25(18)	2025		10.3390/s25185887
28	Fasniuc-Pereu E., E.N. Dragoi, D. Bulgariu, M.C. Popescu, L. Bulgariu	Removal of rifampicin and rifaximin antibiotics on PET fibers: Optimization, modeling and mechanism insight	Polymers	2073-4360	17(15)	2025	1-24	10.3390/polym17152089
29	Lara-Montañó O.D., F.I. Gómez-Castro, C. Gutiérrez-Antonio, E.N. Dragoi	Success-Based Optimization Algorithm (SBOA): Development and e	Computers and Chemical Engineering	0098-1354	194	2025	1-15	10.1016/j.compchemeng.2024.108987
30	Petrila I.I.	Neural Information Organizing and Processing Principles	Preprints	2310-287X	2025	2025	1-9	10.20944/preprints202502.0827.v2
31	Petrila I.I.	Augmented JavaScript	Preprints	2310-287X	2025	2025	1-7	10.20944/preprints202502.0081.v1
32	Imai Aldeia G. S., H. Zhang, G. Bomarito, M. Cranmer, A. Fonseca, B. Burlacu, W. G La Cava, F. Olivetti de França	Call for Action: towards the next generation of symbolic regression benchmark	GECCO '25 Companion: Proceedings of the Genetic and Evolutionary Computation Conference Companion	-	-	2025	2529 - 2538	10.1145/3712255.3734309