

### C1.1. Lucrări indexate ISI Web of Science - 2024

Nr.	Numele autorului/ autorilor	Titlul lucrării	Numele revistei	ISSN	Numar revista si Volum	Anul publicarii	Pagini	DOI
1	Manikandan V., Ayyannan G., Mane R.S., Petrița I., Selvaraj M., Crapnell R.D., Banks C.E.	Low-concentration detection of H <sub>2</sub> S using temperature-dependent Cr-doped cobalt-oxide gas sensors	Journal of Environmental Chemical Engineering	2213-2929	vol. 12 nr. 3	2024	112697/11	<a href="https://doi.org/10.1016/j.jece.2024.112697">https://doi.org/10.1016/j.jece.2024.112697</a>
2	Hustișu S., Mahulea C., Kloetzer M., Lesage J.J.	On Multirobot Path Planning Based on Petri Net Models and LTL Specifications	IEEE Transactions on Automatic Control	0018-9286	vol. 69 nr. 9	2024	6373 - 6380	10.1109/TAC.2024.3386024
3	Birgăuanu I., Gavrilăscu M., Leon F., Curteanu S., Lisa G.	Thermodynamic properties of binary, ternary and quaternary mixtures: N-butyl acetate- n-hexanol - n,n-dimethylacetamide-water. Modeling using regression algorithms and optimization using socially-inspired evolutionary algorithms	Journal of the Taiwan Institute of Chemical Engineers	1876-1070	vol. 165	2024	1-8	10.1016/j.jtice.2024.105796
4	Pauca O., Lazar R.G., Postolache M., Caruntu C.F.	DMPC-based control solution for mobile robots platoon based on ZigBee communication	Computers and Electrical Engineering	1879-0755	vol. 120 part B	2024	1-14	10.1016/j.compeleceng.2024.109755
5	Tarcoveanu F., Leon F., Lisa C., Curteanu S., Feraru A., Ali K., Anton N.	The Use of Artificial Neural Networks in Studying the Progression of Glaucoma	Scientific Reports (Nature Portfolio)	2045-2322	vol. 14	2024	1-15	10.1038/s41598-024-70748-1
6	Dosoftei C.C., Alexa L.	Students' perception of peer teaching in engineering education: a mixed-method case study	SPRINGERNATURE - HUMANITIES & SOCIAL SCIENCES COMMUNICATIONS	2662-9992	vol. 11	2024	9	10.1057/s41599-024-03349-y
7	Cascaval P., Cascaval D.	Near-optimal March Tests for Three-Cell and Four-Cell Coupling Fault Models in Random-Access Memories	Romanian Journal of Information Science and Technology (ROMJIST)	1453-8245	vol. 27, nr. 3-4	2024	323–335	10.59277/ROMJIST.2024.3-4.06
8	Tudorache A.G., Luca R.	Positive solutions to a system of coupled Hadamard fractional boundary value problems	Fractal and Fractional	2504-3110	vol. 8 nr. 9	2024	1-27	10.3390/fractalfract8090543
9	Grigoras A., Leon F.	Synthetic Time Series Generation for Decision Intelligence	Mathematics	2227-7390	vol. 12, nr. 16	2024	1-17	10.3390/math12162494
10	Botezatu P., Burlacu A., Orhei C.	A Review of Deep Learning Advancements in Road Analysis for Autonomous Driving	Applied Sciences	2076-3417	vol. 14 nr. 11	2024		10.3390/app14114705
11	Maxim A., Pauca O., Amariei R.G., Braescu F.C., Caruntu C.F.	Coalitional Control Strategy for a Heterogeneous Platoon Application	Mathematics	2227-7390	vol. 12 nr. 1	2024	1-22	10.3390/math12010007
12	Tudorache A.G., Luca R.	Existence of solutions to a system of fractional q-difference boundary value problems	Mathematics	2227-7390	vol. 12 nr. 9	2024	1-24	10.3390/math12091335
13	Fetecau C., Morosanu C., Paval S.D.	On the Convergence of an Approximation Scheme of Fractional-Step Type, Associated to a Nonlinear Second-Order System with Coupled In-Homogeneous Dynamic Boundary Conditions	Axioms	2075-1680	vol. 13 nr. 5	2024	18	10.3390/axioms13050286
14	Butincu C.N., Alexandrescu A.	Design Aspects of Decentralized Identifiers and Self-Sovereign Identity Systems	IEEE Access	2169-3536	vol. 12	2024	15	10.1109/ACCESS.2024.3394537
15	Barleanu A., Hulea M.	Neuromorphic sensors based on force-sensing resistors	Biomimetics	2313-7673	vol. 9 nr. 6	2024	1-13	10.3390/biomimetics9060326
16	Pauca G.S., Caruntu C.F.	MPC-Based Dynamic Velocity Adaptation in Nonlinear Vehicle Systems: A Real-World Case Study	Electronics	2079-9292	vol. 13 nr. 15	2024	1-21	10.3390/electronics13152913

17	Maxim A., Pauca O., Caruntu C.F.	Coalitional Distributed Model Predictive Control Strategy with Switching Topologies for Multi-Agent Systems	Electronics	2079-9292	vol. 13 nr. 4	2024	1-18	10.3390/electronics13040792
18	Alexandrescu A., Butincu C.N.	DARS: Decentralized Article Retrieval System	SoftwareX	2352-7110	vol. 25	2024	6	10.1016/j.softx.2023.101624
19	Leon F., Gavrilescu M., Floria S.A., Minea A.A.	Hierarchical classification of transversal skills in job advertisements based on sentence embeddings	Information	2078-2489	vol. 15 nr. 3	2024	151	10.3390/info15030151
20	Brasoveanu F.A. , Burlacu A.	On Combining Shape Memory Alloy Actuators and Pneumatic Actuators for Performance Enhancement in Soft Robotics	Actuators	2076-0825	vol. 13 nr. 4	2024		10.3390/act13040127
21	Beti I.A., Herghelegiu P.C., Caruntu C.F.	Architectural Framework to Enhance Image-Based Vehicle Positioning for Advanced Functionalities	Information	2078-2489	vol. 15 nr. 6	2024	1-26	10.3390/info15060323
22	Popp C., Serov A., Glatzki F., Ziegler C., Olaru A.I., Maldonado J., Clemens J., Adamy J., Arbitmann M., Leon F., Peters S., Schill K., Schrabler S., Winner H.	PRORETA 5 - Building Blocks for Automated Urban Driving Enhancing City Road Safety	at-Automatisierungstechnik	2196-677X	vol. 72, nr. 4	2024	293-307	10.1515/auto-2023-0092
23	Baciu A., Lazar C.	Model-Free Temperature Control of Heat Treatment Process	Energies	1996-1073	17, x	2024	23	10.3390/xxxxx
24	Costin M., Lazar C.	Induction Motor Improved Vector Control Using Predictive and Model-Free Algorithms Together with Homotopy-Based Feedback Linearization	Energies	1996-1073	17, 875	2024	25	10.3390/en17040875