

C1.1. Lucrari indexate ISI Web of Science - 2023

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1	G. Uleru, M.Hulea, A. Barleanu	The Influence of the Number of Spiking Neurons on Synaptic Plasticity	Biomimetics	2313-7673	vol.8 nr.1	2023	28	10.3390/biomimetics8010028
2	Rodica Luca, Alexandru Tudorache	On a system of Hadamard fractional differential equations with nonlocal boundary conditions on an infinite interval	Fractal and Fractional	2504-3110	7 (458)	2023	1-24	10.3390/fractalfract7060458
3	Alexandru Tudorache, Rodica Luca	On a system of sequential Caputo fractional differential equations with nonlocal boundary conditions	Fractal and Fractional	2504-3110	7 (181)	2023	1-23	10.3390/fractalfract7020181
4	Alexandru Tudorache, Rodica Luca	Systems of Hilfer–Hadamard Fractional Differential Equations with Nonlocal Coupled Boundary Conditions	Fractal and Fractional	2504-3110	7 (816)	2023	1-23	10.3390/fractalfract7110816
5	Răzvan Mocanu, Alexandru Onea	A Passive-Constrained Observer and Controller Applied to an In-Wheel Synchronous Machine Implemented on a Fixed-Point DSP	Mathematics	2227-7390	vol. 11, nr. 8	2023	1860	10.3390/math11081860
6	I. Bejenar, L. Ferariu, C. Pascal, C.F. Caruntu	Aggregation Methods Based on Quality Model Assessment for Federated Learning Applications: Overview and Comparative Analysis	Mathematics	2227-7390	4610(11)	2023	1-20	10.3390/math11224610
7	Adrian Alexandrescu, Cristian Nicolae Buțincu	Decentralized news-retrieval architecture using blockchain technology	Mathematics	2227-7390	Vol. 11 Nr. 21	2023	26	10.3390/math11214542
8	Codruț Georgian Artene, Ciprian Oprea, Cristian Nicolae Buțincu, Florin Leon	Finding Patient Zero and Tracking Narrative Changes in the Context of Online Disinformation Using Semantic Similarity Analysis	Mathematics	2227-7390	Vol. 11, Issue 9	2023	26	10.3390/math11092053
9	Alexandru-Gabriel Tudorache	Graph Generation for Quantum States Using Qiskit and Its Application for Quantum Neural Networks	Mathematics	2227-7390	vol. 11 nr. 6	2023	1-15	10.3390/math11061484
10	Andreea-Iulia Patachi, Florin Leon	Multiagent Multimodal Trajectory Prediction in Urban Traffic Scenarios Using a Neural Network-Based Solution	Mathematics	2227-7390	vol. 11, nr. 8	2023	1-25	10.3390/math11081923

11	S. Mobayen, A.N. Vargas, L. Acho, G. Pujol-Vazquez, C.F. Caruntu	Stabilization of two-dimensional nonlinear systems through barrier-function-based integral sliding-mode control: application to a magnetic levitation system	Nonlinear Dynamics	1573-269X	111	2023	1343-1354	10.1007/s11071-022-07890-w
12	A. Maxim, o. Pauca, C.F. Caruntu	Distributed Model Predictive Control and Coalitional Control Strategies—Comparative Performance Analysis Using an Eight-Tank Process Case Study	Actuators	2076-0825	281(12)	2023	1-23	10.3390/act12070281
13	S.Kilani, N. Aghili, M. Hulea	Enhancing P300-Based Brain-Computer Interfaces with Hybrid Transfer Learning: A Data Alignment and Fine-Tuning Approach	Applied Sciences	2076-3417	vol. 13, nr 10	2023	6283	10.3390/app13106283
14	Cristian Nicolae Buțincu, Adrian Alexandrescu	Blockchain-based platform to fight disinformation using crowd wisdom and artificial intelligence	Applied Sciences	2076-3417	vol. 13, nr 10	2023	20	10.3390/app13106088
15	Alexandru Tudorache, Rodica Luca	Positive solutions for a system of Hadamard fractional boundary value problems on an infinite interval	Axioms	2075-1680	12 (793)	2023	1-18	10.3390/axioms12080793
16	Alexandru Grigoras, Florin Leon	Transformer-Based Model for Predicting Customers' Next Purchase Day in e-Commerce	Computation	2079-3197	vol. 11, no. 11	2023	1-12	10.3390/computation11110210
17	Botezatu AP, Ferariu LE, Burlacu A	Enhancing Visual Feedback Control through Early Fusion Deep Learning	Entropy	1099-4300	25(10)	2023	1378-1404	10.3390/e25101378
18	Lazar RG, Militaru AV, Caruntu CF, Pascal C, Patachia-Sultanoiu/Orange	Real-time data measurement methodology to evaluate the 5G network performance indicators	IEEE Access	2169-3536	vol 11	2023	43909-43924	10.1109/ACCESS.2023.3271366
19	O. Pauca, M. Lazar, C.F. Caruntu	Hybrid Cost Function Distributed MPC for Vehicle Platoons With Stability and String Stability Properties	IEEE Control Systems Letters	2475-1456	7	2023	2257-2262	10.1109/LCSYS.2023.3285519
20	C. Chindrus, C.F. Caruntu	Securing the Network: A Red and Blue Cybersecurity Competition Case Study	Information	2078-2489	587(14)	2023	1-24	10.3390/info14110587
21	Zofia Wrona, Wojciech Buchwald, Maria Ganzha, Marcin Paprzycki, Florin Leon, Noman Noor, Constantin-Valentin Pal	Overview of Software Agent Platforms Available in 2023	Information	2078-2489	vol. 14, no. 6	2023	1-47	10.3390/info14060348
22	Roxana Maria Pînzaru, Silviu Dumitru Pavăl, Mihaela Perțea, Ovidiu Alexa, Paul Dan Sîrbu, Alexandru Filip, Adrian Claudiu Carp, Liliana Savin, Norin Forna, Bogdan Veliceasa	Biomechanical Comparison of Conventional Plate and the C-Nail® System for the Treatment of Displaced Intra-Articular Calcaneal Fractures: A Finite Element Analysis	Journal of Personalized Medicine	2075-4426	13/4	2023		10.3390/jpm13040587

23	Popovici, Cosmin-Andrei; Stan, Andrei	Real-Time RISC-V-Based CAN-FD Bus Diagnosis Tool	Micromachines	2072-666X	14(1)	2023	196-217	10.3390/mi14010196
24	Dorohoi, D.O, Postolache, M., Nechifor, C.D., Dimitriu, D.G., Albu, R.M., Stoica, I., Barzic, A.I.	Review on Optical Methods Used to Characterize the Linear Birefringence of Polymer Materials for Various Applications	Molecules	EISSN: 1420-3049	vol. 28, issue 7	2023	1-26	10.3390/molecules28072955
25	V. Manikandan, G. Ayyannan, I. Petrila, R. S. Mane, K. Sobczak, J. Chandrasekaran, R. D. Crapnell, C. E. Banks	Ni-doped Al ₂ O ₃ sensor for effective SO ₃ gas adsorption and sensing	New Journal of Chemistry	1144-0546	47 (32)	2023	15309-15317	10.1039/D3NJ02783J
26	A. Chindrus, D. Copot, C.F. Caruntu	Predictive Control Strategy for Continuous Production Systems: A Comparative Study with Classical Control Approaches Using Simulation-Based Analysis	Processes	2227-9717	1258(11)	2023	1-26	10.3390/pr11041258
27	Lazar R-G., Pauca O., Maxim A., Caruntu C.F.,	Control Architecture for Connected Vehicle Platoons: From Sensor Data to Controller Design Using Vehicle-to-Everything Communication	Sensors	1424-8220	23(17)	2023	7576	10.3390/s23177576
28	R.G. Lazar, O. Pauca, A. Maxim, C.F. Caruntu	Control Architecture for Connected Vehicle Platoons: From Sensor Data to Controller Design Using Vehicle-to-Everything Communication	Sensors	1424-8220	7576(23)	2023	1-28	10.3390/s23177576
29	S.-D. Achirei, R. Mocanu, A.-T. Popovici, C.-C. Dosoftei	Model-Predictive Control for Omnidirectional Mobile Robots in Logistic Environments Based on Object Detection Using CNNs	Sensors	1424-8220	23(11), 4992	2023	21	10.3390/s23114992
30	Adrian Alexandrescu	Parallel processing of sensor data in a distributed rules engine environment through clustering and data flow reconfiguration	SENSORS	1424-8220	Nr. 3 / Vol. 23	2023	21	10.3390/s23031543

31	Adrian Alexandrescu, Cristian Nicolae Buțincu	DARS: Decentralized Article Retrieval System	SoftwareX	2352-7110	Volume 25	2023	6	10.1016/j.softx.2023.101624
32	Corina Cîmpanu, Raluca-Petronela Dumitriu	Machine Learning Predictions for Flow Behaviour of Silver Nanosuspensions	Environmental Engineering and Management Journal	1582-9596	Issue 12, Vol. 22	2023	979-992	
33	G. Uleru, M.Hulea, O. Younus, Z. Ghassemlooy, S. Rajbhandari	Electro-optical spiking neural networks using an enhanced optical axon with pulse amplitude modulation and automatic gain controller	IET Optoelectronics	1751-8768	vol.17, nr. 4	2023	175-183	10.1049/ote2.12101
34	Androne, D.A.M., Nechifor, C.D., Postolache, M., Dimitriu, D.G., Dorohoi, D.O	LINEAR BIREFRINGENCE OF UNIAXIAL ANISOTROPIC INORGANIC CRYSTALS MEASURED BY ELLIPSOMETRIC MEANS	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS	1223-7027	vol. 85, issue 2	2023	199-212	WOS:001020946800018
35	Baciu A., Lazar C.	Iterative Feedback Tuning of Model-Free Intelligent PID Controllers	Actuators	2076-0825	12(2)	2023	22	DOI: 10.3390/act12020056
36	Costin M., Lazar C.	Field-Oriented Predictive Control Structure for Synchronous Reluctance Motors	Machines	2076-0825	11(7)	2023	19	10.3390/machines11070682