

Monica Patrascu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

189
citations

1306789

7
h-index

1199166

12
g-index

40
all docs

40
docs citations

40
times ranked

180
citing authors

#	ARTICLE	IF	CITATIONS
1	A software tool for modeling and simulation of numerical P systems. <i>BioSystems</i> , 2011, 103, 442-447.	0.9	20
2	HELGA: a heterogeneous encoding lifelike genetic algorithm for population evolution modeling and simulation. <i>Soft Computing</i> , 2014, 18, 2565-2576.	2.1	19
3	Evolutionary Modeling of Industrial Plants and Design of PID Controllers. <i>Studies in Systems, Decision and Control</i> , 2016, , 73-119.	0.8	18
4	Consideration of a new extended power law of air infiltration through the building's envelope providing estimations of the leakage area. <i>Energy and Buildings</i> , 2017, 149, 400-423.	3.1	17
5	Self-organising socio-technical description in service systems for supporting smart user decisions in public transport. <i>Expert Systems With Applications</i> , 2015, 42, 6329-6341.	4.4	15
6	A Service Oriented Simulation Architecture for Intelligent Building Management. <i>Lecture Notes in Business Information Processing</i> , 2013, , 14-28.	0.8	12
7	Emergent intelligence in agents: A scalable architecture for smart cities. , 2014, , .		10
8	Integrating Agents and Services for Control and Monitoring: Managing Emergencies in Smart Buildings. <i>Studies in Computational Intelligence</i> , 2014, , 209-224.	0.7	10
9	Tuning of PID Controllers for Non-Linear MIMO Systems Using Genetic Algorithms. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 12644-12649.	0.4	7
10	Modeling air leakage in buildings caused by the cyclic variation of the atmospheric pressure. <i>Building Services Engineering Research and Technology</i> , 2018, 39, 430-462.	0.9	7
11	Route encoding in evolutionary control systems for emergency vehicles. , 2017, , .		6
12	Applying Agent Based Simulation to the Design of Traffic Control Systems with Respect to Real-World Urban Complexity. <i>Lecture Notes in Computer Science</i> , 2016, , 395-409.	1.0	5
13	Controlling Emergency Vehicles in Urban Traffic with Genetic Algorithms. , 2018, , .		5
14	Nonlinear fuzzy control of human heart rate during aerobic endurance training with respect to significant model variations. , 2014, , .		4
15	Deterministic matrix-based radiative design using a new general formulation of exergy and exergy efficiency for hybrid solar collectors. <i>Applied Thermal Engineering</i> , 2021, 182, 115318.	3.0	4
16	Real time agent based simulation for smart city emergency protocols. , 2014, , .		3
17	Genetically enhanced modal controller design for seismic vibration in nonlinear multi-damper configuration. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2015, 229, 158-168.	0.7	3
18	Engineering Emergence: A Survey on Control in the World of Complex Networks. <i>Automation</i> , 2022, 3, 176-196.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Hybrid geno-fuzzy controller for seismic vibration control. , 2012, , .		2
20	A Hybrid PID-Fuzzy Control for Linear SISO Systems with Variant Communication Delays. Advances in Fuzzy Systems, 2012, 2012, 1-8.	0.6	2
21	Agent based simulation applied to the design of control systems for emergency vehicles access. , 2015, , .		2
22	Three omni-wheel ballbot optimum implementation. , 2015, , .		2
23	An immune evolution mechanism for the study of stress factors in supervised and controlled systems. , 2017, , .		2
24	Self-Adaptation in Genetic Algorithms for Control Engineering: The Case of Time Delay Systems. , 2017, , .		2
25	Smith Predictor Approximation for Industrial Control Applications with Genetic Algorithms. , 2021, , .		2
26	Genetic decision mechanism for reasoning and behaviour generation in adaptive intelligent agents. , 2015, , .		1
27	Encoder-based path tracking with adaptive cascaded control for a three omni-wheel robot. , 2017, , .		1
28	A geno-neural approach to data fusion for fixed infrared sensor arrays. , 2017, , .		1
29	A Scalable Algorithm for Self-Organization in Event-Triggered Networked Control Systems. , 2019, , .		1
30	Control System Design for Unicycle Robots Using Genetic Algorithms with Pareto Immunization. , 2019, , .		1
31	VALUE CO-CREATION IN A VIRTUAL SMART BUILDING SERVICE ENTERPRISE FOR ENERGY EFFICIENCY AND ECONOMIC SUSTAINABILITY. Environmental Engineering and Management Journal, 2015, 14, 1183-1194.	0.2	1
32	Design of Stabilizing Predictor-based Controller for Closed Loop Traffic Control with Real-Coded Genetic Algorithms. , 2021, , .		1
33	An Agent Based Simulation Model Applied to Emergency Vehicles in High Traffic Urban Environments. , 2015, , .		0
34	Development of a data acquisition and command board for the control of a didactic 3D crane system. , 2016, , .		0
35	Plug-and-play Self-configuration and Integration in Swarm Robotics. , 2018, , .		0
36	AI and Individualized Education in Phys Ed and Sport. , 2021, , 684-701.		0

#	ARTICLE	IF	CITATIONS
37	Agent Based Modelling of Smart Structures. Advances in Civil and Industrial Engineering Book Series, 2017, , 38-60.	0.2	0
38	Design of Semi-Active Seismic Vibration Controllers Using Fuzzy Logic and Evolutionary Optimization. Advances in Computer and Electrical Engineering Book Series, 2018, , 18-43.	0.2	0
39	AI and Individualized Education in Phys Ed and Sport. Advances in Educational Technologies and Instructional Design Book Series, 2020, , 26-49.	0.2	0
40	Robust Position Control for High Slip Risk Tricycle Robots with Real-coded Genetic Algorithms. , 2021, , .		0