Marius Mircea Balas

List of Publications by Year
in descending order

38 papers	216 citations	1684188 5 h-index	1372567 10 g-index
44 all docs	44 docs citations	44 times ranked	192 citing authors

#	Article	IF	Citations
1	Driver Assisting by Inverse Time to Collision. , 2006, , .		42
2	Fuzzy controllers for tire slip control in anti-lock braking systems. , 0, , .		40
3	Prioritization of Information Security Controls through Fuzzy AHP for Cloud Computing Networks and Wireless Sensor Networks. Sensors, 2020, 20, 1310.	3.8	26
4	A Single-Phase Buck and Boost AC-to-AC Converter with Bipolar Voltage Gain: Analysis, Design, and Implementation. Energies, 2019, 12, 1376.	3.1	14
5	Simulation, Analysis, and Characterization of Calcium-Doped ZnO Nanostructures for Dye-Sensitized Solar Cells. Energies, 2020, 13, 4863.	3.1	12
6	The Fuzzy-Interpolative Methodology. Studies in Computational Intelligence, 2009, , 145-167.	0.9	12
7	Optimizing the Distance-Gap between Cars by Constant Time to Collision Planning. , 2007, , .		7
8	Identifier based intelligent blood glucose concentration regulation for type 1 diabetic patients: An adaptive fuzzy approach. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6175-6184.	1.4	7
9	Switching Adaptive Correctors for Fuzzy Fusion Self-Adapted Interpolative Controllers. , 2007, , .		6
10	Modeling Passive Greenhouses. The Sun's Influence. , 2008, , .		6
11	Skin insertion analysis of microneedle using ANSYS and fuzzy logic. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5885-5895.	1.4	6
12	World Knowledge for Control Applications. , 2007, , .		5
13	Impact Evaluation of Electric Vehicle Parking on Solving Security-Constrained Unit Commitment Problem. Mathematical and Computational Applications, 2018, 23, 13.	1.3	5
14	Derivative-Free Direct Search Optimization Method for Enhancing Performance of Analytical Design Approach-Based Digital Controller for Switching Regulator. Energies, 2019, 12, 2183.	3.1	5
15	The Fuzzy Interpolative Control for Passive Greenhouses. Studies in Computational Intelligence, 2009, , 219-231.	0.9	3
16	Optimizing the Distance-Gap between Cars by Fuzzy-Interpolative Control with Time to Collision Planning. , 2006, , .		2
17	Adaptive Backstepping Nonsingular Fast Terminal Sliding Mode Control for Hydro-Turbine Governor Design. Energies, 2020, 13, 126.	3.1	2
18	Design of a Composite State Convergence Controller for a Nonlinear Telerobotic System. Acta Polytechnica Hungarica, 2019, 16, 157-172.	2.9	2

#	Article	IF	Citations
19	Traffic Management by Constant Time to Collision. Lecture Notes in Computer Science, 2008, , 658-663.	1.3	2
20	Some Observations on Stability of the Switching Adaptive Rule Bases of the Fuzzy Self-Adapted Interpolative Controllers. , 2007, , .		1
21	Monoscopic CCD Cameras as Distance Sensors. , 2009, , .		1
22	Thermal consumptions: Control and monitoring. , 2009, , .		1
23	On a promising sustainable energy system and its control - the passive greenhouse. , 2009, , .		1
24	Custom high dynamic range characteristics developed by fuzzy interpolative methodology. , 2010, , .		1
25	Multi Framing HDR for MRI Brain Images. Advances in Intelligent Systems and Computing, 2018, , 290-297.	0.6	1
26	Fuzzy-Expert System for Investments in Winemaking. Advances in Intelligent Systems and Computing, 2018, , 278-285.	0.6	1
27	Assessing the Quality of Bread by Fuzzy Weights of Sensory Attributes. Advances in Intelligent Systems and Computing, 2021, , 403-411.	0.6	1
28	On the Switching Control. , 2009, , .		0
29	Postmodernism and Control Engineering. Studies in Fuzziness and Soft Computing, 2009, , 377-391.	0.8	0
30	Algorithm for Virtual Reality. , 2009, , .		0
31	Internal Model Expert control for slow cooling rate bronze casting. , 2010, , .		0
32	Internet of Everything and Big Data. , 0, , .		0
33	Alzheimer's disease under the purview of Graph Theory Centric Genetic Networks. Brain: Broad Research in Artificial Intelligence and Neuroscience, 2021, 12, .	0.4	0
34	Adaptive Rule Based-Reasoning by Qualitative Analysis. Communications in Computer and Information Science, 2010, , 553-560.	0.5	0
35	A New Generation of Biomedical Equipment: FPGA. Studies in Computational Intelligence, 2013, , 235-246.	0.9	0
36	Financial crisis and technical progress 2008-2017. The parallel shift in information technology. International Journal of Computational Systems Engineering, 2017, 3, 213.	0.2	0

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37	Human-Plant Symbiosis by Integrated Roof-Top Greenhouses. Advances in Intelligent Systems and Computing, 2021, , 76-83.	0.6	0
38	Intelligent Roof-Top Greenhouse Buildings. Advances in Intelligent Systems and Computing, 2021, , 65-75.	0.6	0