

Marius Mircea Balas

List of Publications by Year in descending order

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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	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
2	Human-Plant Symbiosis by Integrated Roof-Top Greenhouses. Advances in Intelligent Systems and Computing, 2021, , 76-83.	0.6	0
3	Assessing the Quality of Bread by Fuzzy Weights of Sensory Attributes. Advances in Intelligent Systems and Computing, 2021, , 403-411.	0.6	1
4	Intelligent Roof-Top Greenhouse Buildings. Advances in Intelligent Systems and Computing, 2021, , 65-75.	0.6	0
5	Adaptive Backstepping Nonsingular Fast Terminal Sliding Mode Control for Hydro-Turbine Governor Design. Energies, 2020, 13, 126.	3.1	2
6	Simulation, Analysis, and Characterization of Calcium-Doped ZnO Nanostructures for Dye-Sensitized Solar Cells. Energies, 2020, 13, 4863.	3.1	12
7	Prioritization of Information Security Controls through Fuzzy AHP for Cloud Computing Networks and Wireless Sensor Networks. Sensors, 2020, 20, 1310.	3.8	26
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	Skin insertion analysis of microneedle using ANSYS and fuzzy logic. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5885-5895.	1.4	6
10	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
11	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
12	Design of a Composite State Convergence Controller for a Nonlinear Telerobotic System. Acta Polytechnica Hungarica, 2019, 16, 157-172.	2.9	2
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	Multi Framing HDR for MRI Brain Images. Advances in Intelligent Systems and Computing, 2018, , 290-297.	0.6	1
15	Fuzzy-Expert System for Investments in Winemaking. Advances in Intelligent Systems and Computing, 2018, , 278-285.	0.6	1
16	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
17	A New Generation of Biomedical Equipment: FPGA. Studies in Computational Intelligence, 2013, , 235-246.	0.9	0
18	Custom high dynamic range characteristics developed by fuzzy interpolative methodology. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
19	Internal Model Expert control for slow cooling rate bronze casting. , 2010, , .		0
20	Adaptive Rule Based-Reasoning by Qualitative Analysis. Communications in Computer and Information Science, 2010, , 553-560.	0.5	0
21	On the Switching Control. , 2009, , .		0
22	Monoscopic CCD Cameras as Distance Sensors. , 2009, , .		1
23	Postmodernism and Control Engineering. Studies in Fuzziness and Soft Computing, 2009, , 377-391.	0.8	0
24	Thermal consumptions: Control and monitoring. , 2009, , .		1
25	Algorithm for Virtual Reality. , 2009, , .		0
26	On a promising sustainable energy system and its control - the passive greenhouse. , 2009, , .		1
27	The Fuzzy-Interpolative Methodology. Studies in Computational Intelligence, 2009, , 145-167.	0.9	12
28	The Fuzzy Interpolative Control for Passive Greenhouses. Studies in Computational Intelligence, 2009, , 219-231.	0.9	3
29	Modeling Passive Greenhouses. The Sun's Influence. , 2008, , .		6
30	Traffic Management by Constant Time to Collision. Lecture Notes in Computer Science, 2008, , 658-663.	1.3	2
31	Optimizing the Distance-Gap between Cars by Constant Time to Collision Planning. , 2007, , .		7
32	World Knowledge for Control Applications. , 2007, , .		5
33	Switching Adaptive Correctors for Fuzzy Fusion Self-Adapted Interpolative Controllers. , 2007, , .		6
34	Some Observations on Stability of the Switching Adaptive Rule Bases of the Fuzzy Self-Adapted Interpolative Controllers. , 2007, , .		1
35	Driver Assisting by Inverse Time to Collision. , 2006, , .		42
36	Optimizing the Distance-Gap between Cars by Fuzzy-Interpolative Control with Time to Collision Planning. , 2006, , .		2

#	ARTICLE	IF	CITATIONS
37	Fuzzy controllers for tire slip control in anti-lock braking systems. , 0, , .		40
38	Internet of Everything and Big Data. , 0, , .		0