Mihai Oproescu

List of Publications by Year
in descending order

48	315	1683934	1588896
papers	citations	5	8
		h-index	g-index

48	48	48	292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative study of some applications made in the Angular and Vue.js frameworks. , 2021, , .		6
2	Performance of the Fuel Economy Strategies for Fuel Cell Systems under Power Tracking Control. , 2021, , .		1
3	Comparison of Tensorflow and PyTorch in Convolutional Neural Network - based Applications. , 2021, , .		10
4	The Effect of Ensuring Ergonomic Learning Conditions in Technical University Education on the Engineering Profession. , 2021, , .		1
5	Oxygen Concentration Monitoring and Control in a Melted Lead Environment, Hardware concept and Implementation. , 2021, , .		2
6	Improving the Fuel Economy and Battery Lifespan in Fuel Cell/Renewable Hybrid Power Systems Using the Power-Following Control of the Fueling Regulators. Applied Sciences (Switzerland), 2020, 10, 8310.	1.3	5
7	Hardware and software solution for measure the vertical jump in the basketball game. , 2020, , .		0
8	Design of a mechatronic solution for the protection of personnel professionally exposed to SARS-CoV-2 virus contamination. , 2020, , .		2
9	Improving managerial skills for implementing innovations in education. , 2020, , .		0
10	Performance of the load-following control switched to the air and hydrogen regulators of the fuel cell system. , 2020, , .		1
11	The challenges of the online teaching process - a short review. , 2020, , .		1
12	Mechanical ventilation device with adapted parameters to assist patients infected with the SARS-CoV-2 virus. , 2020, , .		0
13	Optimization of the Multimedia Consumers Operation Time. , 2020, , .		0
14	Multi-criteria decision algorithm for NQR signal detection. , 2020, , .		1
15	Better Fuel Economy by Optimizing Airflow of the Fuel Cell Hybrid Power Systems Using Fuel Flow-Based Load-Following Control. Energies, 2019, 12, 2792.	1.6	12
16	Software and hardware solutions for Using the keyboards by blind people. , 2019, , .		6
17	Comparative Study of the Analog and Digital Operation for Miniature Railway Systems. , 2019, , .		2
18	School and Professional Orientation to Adolescents. , 2019, , .		1

#	Article	IF	Citations
19	Application of genetic algorithm for optimization of NQR signal detection. , 2019, , .		4
20	The use of the clonal selection algorithm for NQR signal detection optimization. , 2019, , .		3
21	Development of a Weather Mobile Application in Android Operating System. , 2019, , .		0
22	The Numerical Modeling of the Inductive Heating Process at Different Frequencies, Using the FLUX 2D Software. , 2019, , .		0
23	Development of a Weather Application in Android and iOS Operating Systems. , 2019, , .		0
24	Renewable (REW) / Fuel Cell (FC) Hybrid Power System with mitigation of the REW variability by the FC fuel flow control. , 2018, , .		1
25	The importance of PLC in the predictive maintenance of electronic equipment. , 2018, , .		0
26	Experimental Comparison of Three Real-Time Optimization Strategies Applied to Renewable/ FC-Based Hybrid Power Systems Based on Load-Following Control. Energies, 2018, 11, 3537.	1.6	17
27	Determining the Risk Level Regarding to the Positioning of an Exam Machine Used in the Nuclear Environment, based of polynomial regression. , 2018, , .		0
28	Air Flow Real‐time Optimization Strategy for Fuel Cell Hybrid Power Sources with Fuel Flow Based on Load‐following. Fuel Cells, 2018, 18, 809-823.	1.5	14
29	Predictive maintenance of electronics systems based on analysis with thermographic camera and fuzzy graphs. , 2017, , .		1
30	Comparative analysis of stepper motors in open loop and closed loop used in nuclear engineering. , 2017, , .		2
31	Feature extraction for distance-based classification of signal sources. , 2017, , .		3
32	Electricity consumption measurement system for detecting losses occurring in power transmission networks. , 2017, , .		3
33	Real-time strategy to optimize the airflow rate of fuel cell hybrid power source under variable load cycle. , 2017, , .		9
34	Intelligent control system with application in nuclear equipment. , 2017, , .		0
35	Energy Harvesting from the Photovoltaic Hybrid Power Source Based on Extremum Seeking Control Schemes. Lecture Notes in Energy, 2017, , 143-176.	0.2	1
36	Evaluation of the performance of new extremum seeking control algorithm to locate accurately the peaks on multimodal functions. , 2016, , .		10

#	Article	IF	Citations
37	Energy control strategies for the Fuel Cell Hybrid Power Source under unknown load profile. Energy, 2015, 86, 31-41.	4.5	46
38	Efficient energy control strategies for a Standalone Renewable/Fuel Cell Hybrid Power Source. Energy Conversion and Management, 2015, 90, 93-110.	4.4	133
39	Energy efficiency of the PV panels using a MPPT controller with improved search speed: Part I: Modeling of the PV power system under extremum seeking control. , 2014, , .		2
40	Energy efficiency of the PV panels using a MPPT controller with improved search speed: Part II: Simulation results. , 2014, , .		0
41	On the chaotic and periodic behavior of the power converter Part I: the mathematical modeling. , 2014, , .		1
42	On the chaotic and periodic behavior of the power converter Part II: the simulation result. , 2014, , .		0
43	On the search speed for the Extremum Seeking Control 2D-schemes. Part I - signal processing using orthogonal dither signals. , 2013, , .		1
44	On the search speed for the Extremum Seeking Control 2D-schemes. Part II - performances estimation. , 2013, , .		2
45	Applications in Control of the Hybrid Power Systems. Green Energy and Technology, 2013, , 227-290.	0.4	3
46	Fuzzy interpolation of the average signal steps. , 2009, , .		4
47	Fuel cell current ripple minimization using a bi-buck power interface. , 2008, , .		2
48	Energy generation system behaviour using a clocked fuzzy peak current control. , 2007, , .		2