

Marian Gaiceanu

List of Publications by Year in descending order

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70
papers

121
citations

1937685

4
h-index

2053705

5
g-index

77
all docs

77
docs citations

77
times ranked

55
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal control of Permanent Magnet Synchronous machines for cold rolling mills. , 2010, , .		7
2	Mathematical modelling of color mixing process and PLC control implementation by using human machine interface. , 2010, , .		6
3	MATLAB/Simulink-Based Grid Power Inverter for Renewable Energy Sources Integration. , 0, , .		6
4	Advanced State Feedback Control of Grid- Power Inverter. Energy Procedia, 2012, 14, 1464-1470.	1.8	6
5	Model predictive speed control of Permanent Magnet Synchronous Motor. , 2014, , .		5
6	In Situ Tests of the Monitoring and Diagnostic System for Individual Photovoltaic Panels. Energies, 2021, 14, 1770.	3.1	5
7	Intrusion Detection on ICS and SCADA Networks. Studies in Systems, Decision and Control, 2020, , 197-262.	1.0	5
8	Regenerative DC drive system. , 2013, , .		4
9	Regenerative AC drive system with the three-phase induction machine. , 2014, , .		4
10	Power Systems Connectivity and Resiliency. Power Systems, 2019, , 45-79.	0.5	4
11	Inverter Control for Three-Phase Grid Connected Fuel Cell Power System. , 2007, , .		3
12	Motion control of a single-beam gantry crane trolley. , 2010, , .		3
13	Theoretical and experimental research on the methodology of designing a system of trigeneration with renewable energy. , 2013, , .		3
14	Tool of the Complete Optimal Control for Variable Speed Electrical Drives. , 0, , .		3
15	The results of the electromagnetic field measurements performed on a military maritime ship to determine the effectiveness of a radio-absorbent material. , 2019, , .		3
16	Intelligent Management of the Hot Rolling Mill Influence of the Automation System on Hot Rolling Parameters. , 2019, , .		3
17	DC Microgrid Control. Power Systems, 2020, , 357-380.	0.5	3
18	Energy Storage Systems in Microgrid. Power Systems, 2020, , 177-205.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Study of Resistance to Disturbances of the Main Types of Communication Systems on Board Military Ships Used during Interception or Search and Rescue Missions. <i>Inventions</i> , 2021, 6, 72.	2.5	3
20	Optimal Control For Ac Drives Supplied From Pwm Voltage Source Inverter.. , 0, , .		2
21	Neuro-optimal controller for three-phase induction motor based on Levenberg-Marquardt training algorithm. , 0, , .		2
22	Linear control of DC motor drive with field weakening. , 2010, , .		2
23	Adaptive control of the three-phase squirrel cage induction motor with load torque estimator. , 2012, , .		2
24	Vector-controlled optimal drive system for the induction motor. , 2013, , .		2
25	The Model Reference Adaptive Control of the DC Electric Drive System. <i>Advanced Materials Research</i> , 2014, 875-877, 2030-2035.	0.3	2
26	Prototype of an Electric Drive Elevator. <i>The Scientific Bulletin of Electrical Engineering Faculty</i> , 2017, .	0.6	2
27	Laboratory power inverter platform for variable speed drive. , 2017, , .		2
28	Real-Time Implementation of the Advanced Control of the Three-Phase Induction Machine Based on Power Inverters. , 0, , .		2
29	Implementation techniques for the matrix Riccati differential equation solution for energetic optimization of the AC drives. , 0, , .		1
30	Optimal control using energetic criteria for electric drive systems: Plenary talk. , 2010, , .		1
31	Energy savings generated by installing active power filters in water pumping stations. , 2013, , .		1
32	Field weakening optimal control of DC motor drive systems. , 2013, , .		1
33	Optimal control implementation of the three-phase induction machine based on adaptive drive system. , 2013, , .		1
34	Linear Quadratic Regulator for the Three-Phase Grid Connected Power Converter. <i>Advanced Materials Research</i> , 2013, 677, 472-475.	0.3	1
35	Analysis of the Nonrecursive Advanced Optimal Control of the Permanent Magnet Synchronous Motor Drive. <i>Applied Mechanics and Materials</i> , 2013, 367, 194-198.	0.2	1
36	Efficient DC drive system by using adaptive control. , 2014, , .		1

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37	Regenerative AC Drive System Based on the Three Phase Permanent Magnet Synchronous Machine. Springer Proceedings in Energy, 2015, , 163-170.	0.3	1
38	Distributed regenerative drive system. , 2016, , .		1
39	Linearized model of the variable flux induction motor drive. , 2016, , .		1
40	Complete regenerative distributed drive system. , 2017, , .		1
41	Practical results on asynchronous motor optimal control in field weakening regime. , 2017, , .		1
42	Embedded Control of the DC Drive System for Education. , 2017, , .		1
43	Matlab-Simulink-Based Compound Model Reference Adaptive Control for DC Motor. , 0, , .		1
44	Cyber-Physical Systems for Industrial Applications. , 2019, , .		1
45	Microgrid Power Infrastructure for Critical Operations. , 2019, , .		1
46	Interference Challenges on board Military Ships. , 2019, , .		1
47	Power Electronic Converters in AC Microgrid. Power Systems, 2020, , 139-175.	0.5	1
48	Numerical Methods of Electric Power Flow in Interconnected Systems. Power Systems, 2021, , 901-933.	0.5	1
49	Photovoltaic Power Conversion System as a Reserve Power Source to a Modern Elevator. Springer Proceedings in Energy, 2017, , 37-46.	0.3	1
50	A Complete Optimal Control Solution for Permanent Magnet Synchronous Motors. Applied Mechanics and Materials, 0, 260-261, 449-453.	0.2	0
51	On fuzzy predictive diagnosis of pump-motor group of oleo-pneumatic drive mechanisms. , 2013, , .		0
52	Second order load torque estimator of the vector-controlled synchronous drive. , 2013, , .		0
53	Sliding mode controller for induction motor. , 2013, , .		0
54	State Feedback Current Control of the Three-Phase Grid Connected Power Inverter for the Regenerative Loads. Advanced Materials Research, 0, 647, 935-938.	0.3	0

#	ARTICLE	IF	CITATIONS
55	Adaptive Control with Supraunitary Relative Degree for the DC Electrical Machine. Advanced Materials Research, 0, 677, 480-484.	0.3	0
56	Modeling and monitoring aspects of MOP-type drive mechanisms of high-voltage circuit breakers. , 2013, , .		0
57	Solution for Connecting Regenerative Electric Drive Systems to the Grid. Advanced Materials Research, 2014, 875-877, 1003-1008.	0.3	0
58	Nonlinear sliding-mode control for permanent magnet synchronous machine. , 2014, , .		0
59	Flux Weakening Optimal Control of the Three-Phase Induction Motor. The Scientific Bulletin of Electrical Engineering Faculty, 2016, .	0.6	0
60	Experimental prototype of an electric elevator. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042027.	0.6	0
61	Advanced Control of the Permanent Magnet Synchronous Motor. , 2018, , .		0
62	Reduction of the Distributed Electric Energy - A Challenge for the Distribution Operators Case Study - Arcelor Mittal Galati. , 2018, , .		0
63	Designing an altitude controller for a mini-UAV using an automated speed device. AIP Conference Proceedings, 2018, , .	0.4	0
64	Management of the Electric Energy Distribution Network. , 2019, , .		0
65	Microgrid Optimal Power Flow for Increased Security. , 2019, , .		0
66	Microgrid Protection. Power Systems, 2020, , 605-630.	0.5	0
67	Adaptive Protection Systems. Power Systems, 2020, , 679-695.	0.5	0
68	Hybrid Power System Supply for Electric Vehicles. Springer Proceedings in Energy, 2015, , 23-30.	0.3	0
69	Urban Cycle Simulator for Electric Vehicles Applications. Springer Proceedings in Energy, 2017, , 47-57.	0.3	0
70	IEC 61850 Based Protection Systems. Power Systems, 2020, , 697-718.	0.5	0