

Leonids Ribickis

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

415
citations

1684188

5
h-index

1588992

8
g-index

61
all docs

61
docs citations

61
times ranked

232
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy efficient use of robotics in the automobile industry. , 2011, , .		69
2	Recuperated energy savings potential and approaches in industrial robotics. , 2011, , .		27
3	Increasing the energy efficiency of multi-robot production lines in the automotive industry. , 2012, , .		25
4	Towards smart street LED lighting systems and preliminary energy saving results. , 2014, , .		24
5	EPE-PEMC 2004, Riga, Latvia 11th International Power Electronics and Motion Control Conference. EPE Journal (European Power Electronics and Drives Journal), 2004, 14, 4-4.	0.7	17
6	Industrial robot path optimization approach with asynchronous fly-by in joint space. , 2011, , .		14
7	MQTT Service Broker for Enabling the Interoperability of Smart City Systems. , 2018, , .		14
8	Student Engagement in Cross-Domain Innovation Development and Its Impact on Learning Outcomes and Career Development in Electrical Engineering. , 2019, , .		14
9	Research-based approach application for electrical engineering education of bachelor program students in Riga Technical University. , 2010, , .		13
10	The energy saving challenge in the contemporary formal courses development. , 2017, , .		13
11	Bidirectional DC/AC energy flow measurement. , 2015, , .		12
12	Information tools for education of electrical engineers. , 2011, , .		11
13	A different approach to electrical energy consumption monitoring. , 2014, , .		10
14	Power converter for DC bus sharing to increase the energy efficiency in drive systems. , 2013, , .		9
15	Comparative analysis of boost and quasi-Z-Source Converters as Maximum Power Point Trackers for PV panel integrated converters. , 2014, , .		9
16	Research on Cross-Domain Study Curricula in Cyber-Physical Systems: A Case Study of Belarusian and Ukrainian Universities. Education Sciences, 2020, 10, 282.	2.6	9
17	Smart City Street Lighting System Quality and Control Issues To Increase Energy Efficiency and Safety. Baltic Journal of Road and Bridge Engineering, 2021, 16, 28-57.	0.8	8
18	Intelligent Electric Vehicle Motion and Crossroad Control. , 2006, , .		7

#	ARTICLE	IF	CITATIONS
19	Evaluation of market needs in Belarus for improvement of master-level education in the field of physical sciences. , 2016, , .		7
20	Analysis of high frequency effects in three phase EMI filters. , 2012, , .		6
21	Industrial DC microgrid analysis with synchronous multipoint power measurement solution. , 2017, , .		6
22	Optimization of the magnetic circuit of the homopolar inductor machine with non-overlapping concentrated windings. , 2010, , .		5
23	Development of pseudo autonomous wireless sensor monitoring system for water distribution network. , 2014, , .		5
24	Proposed Piezoelectric Energy Harvesting in Mobile Robotic Devices. , 2014, , .		5
25	Bidirectional single-loop current sensorless control applied to NPC multi-level converter considering conduction losses. International Journal of Power Electronics and Drive Systems, 2020, 11, 1945.	0.6	5
26	The case study of acquisition of transferable skills by electrical engineers. , 2012, , .		4
27	Establishing regional competence centre for life long learning in electrical engineering. , 2013, , .		4
28	Impact of industrial robot tool mass on regenerative energy. , 2017, , .		4
29	Adaptive Traction Drive Control Algorithm for Electrical Energy Consumption Minimisation of Autonomous Unmanned Aerial Vehicle. Electrical, Control and Communication Engineering, 2019, 15, 62-70.	0.8	4
30	Development of entrepreneurship skills for Innovation driven career in Adaptronics. , 2019, , .		3
31	Factors affecting the competitiveness of a higher education institution: systematic literature overview. , 2018, , .		3
32	Fuzzy Logic Current Balancing Controller Implementation in an Automotive Multi-Phase DC Converter with Coupled Inductors. , 2020, , .		3
33	A PLL Scheme for Synchronization with Grid Voltage Phasor in Active Power Filter Systems. Scientific Journal of Riga Technical University Power and Electrical Engineering, 2010, 27, 134-137.	0.3	2
34	Design of human tracking robot utilizing pyroelectric sensor and analogue circuitry. , 2013, , .		2
35	Wireless sensor networks based control system development for water supply infrastructure. , 2014, , .		2
36	The control of smart material based actuators for industrial robots. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	Feasibility Study of Renewable Energy Systems in Households. , 2019, , .		2
38	Development of a Teaching Methodology of Complex Electromechatronic and Robotic Systems. , 2021, , .		2
39	Comparison and Choice of Supply and Driver Unit for Power LED Luminary. Scientific Journal of Riga Technical University Power and Electrical Engineering, 2009, 25, 137-140.	0.3	2
40	Induction Machine HiL Setup Implementation and IFOC Testing Based on the OP4510 Realtime Computer. , 2020, , .		2
41	Implementation of a Classic Washout Filter for Robotic Large Range Motion Simulator using Cylindrical Coordinate System. , 2021, , .		2
42	Current-fed DC/DC converter for fuel cell applications. , 2010, , .		1
43	Scientific project management course introduction in doctoral studies in Riga Technical University. , 2010, , .		1
44	Large-amplitude base-motion compensation of a serial robot using an inertial measurement unit. , 2012, , .		1
45	Implementation of mutual recognition and voluntary standardization via Sharing of Expertise in education of electrical engineers. , 2013, , .		1
46	Considerations for phasor measurement unit introduction in distribution system. , 2015, , .		1
47	Voltage Monitoring on Capacitor of Modular Multilevel Converter. Scientific Journal of Riga Technical University Power and Electrical Engineering, 2009, 25, 145-150.	0.3	1
48	Latvian Practices for Protecting Water and Wastewater Infrastructure. , 2014, , 315-342.		1
49	Strategy Development Process In Higher Education Institutions. , 2014, , .		1
50	Adaptive Workflow of Service Oriented IoT Architectures for Small and Distributed Automation Systems. , 2020, , .		1
51	Multipolar double fed induction wind generator with a single phase secondary winding. , 2008, , .		0
52	Immune algorithm for intelligent controller in braking system of electric railway transport. , 2010, , .		0
53	Capacitor divider voltage monitoring by using Field-Programmable Gate Array (FPGA). , 2010, , .		0
54	Control tool development for energy consumption of private and industrial consumption on district level. , 2010, , .		0

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55	Wireless sensor networks and SOA development for optimal control of legacy power grid. , 2014, , .		0
56	Intelligent Electric Vehicle Motion and Crossroad Control. , 2006, , .		0
57	Troubleshooting of Matrix Frequency Converter Conducted and Radiated Emissions. Scientific Journal of Riga Technical University Power and Electrical Engineering, 2010, 27, 146-151.	0.3	0
58	Algorithm for MCDM in Intelligent Braking Diagnostics System of Railway Transport. Lecture Notes in Economics and Mathematical Systems, 2011, , 143-156.	0.3	0
59	Mission Profile-Based Electro-Thermal Model of Robotic Manufacturing Application. , 2021, , .		0