

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 | Development of a Teaching Methodology of Complex Electromechatronic and Robotic Systems. , 2021, , . | | 2 |
| 2 | Implementation of a Classic Washout Filter for Robotic Large Range Motion Simulator using Cylindrical Coordinate System. , 2021, , . | | 2 |
| 3 | 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 |
| 4 | Mission Profile-Based Electro-Thermal Model of Robotic Manufacturing Application. , 2021, , . | | 0 |
| 5 | 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 |
| 6 | Adaptive Workflow of Service Oriented IoT Architectures for Small and Distributed Automation Systems. , 2020, , . | | 1 |
| 7 | 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 |
| 8 | Induction Machine HiL Setup Implementation and IFOC Testing Based on the OP4510 Realtime Computer. , 2020, , . | | 2 |
| 9 | Fuzzy Logic Current Balancing Controller Implementation in an Automotive Multi-Phase DC Converter with Coupled Inductors. , 2020, , . | | 3 |
| 10 | Student Engagement in Cross-Domain Innovation Development and Its Impact on Learning Outcomes and Career Development in Electrical Engineering. , 2019, , . | | 14 |
| 11 | Development of entrepreneurship skills for Innovation driven career in Adaptronics. , 2019, , . | | 3 |
| 12 | Feasibility Study of Renewable Energy Systems in Households. , 2019, , . | | 2 |
| 13 | 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 |
| 14 | MQTT Service Broker for Enabling the Interoperability of Smart City Systems. , 2018, , . | | 14 |
| 15 | Factors affecting the competitiveness of a higher education institution: systematic literature overview. , 2018, , . | | 3 |
| 16 | The energy saving challenge in the contemporary formal courses development. , 2017, , . | | 13 |
| 17 | Impact of industrial robot tool mass on regenerative energy. , 2017, , . | | 4 |
| 18 | Industrial DC microgrid analysis with synchronous multipoint power measurement solution. , 2017, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | The control of smart material based actuators for industrial robots. , 2016, , . | | 2 |
| 20 | Evaluation of market needs in Belarus for improvement of master-level education in the field of physical sciences. , 2016, , . | | 7 |
| 21 | Bidirectional DC/AC energy flow measurement. , 2015, , . | | 12 |
| 22 | Considerations for phasor measurement unit introduction in distribution system. , 2015, , . | | 1 |
| 23 | Development of pseudo autonomous wireless sensor monitoring system for water distribution network. , 2014, , . | | 5 |
| 24 | A different approach to electrical energy consumption monitoring. , 2014, , . | | 10 |
| 25 | Towards smart street LED lighting systems and preliminary energy saving results. , 2014, , . | | 24 |
| 26 | Wireless sensor networks and SOA development for optimal control of legacy power grid. , 2014, , . | | 0 |
| 27 | Proposed Piezoelectric Energy Harvesting in Mobile Robotic Devices. , 2014, , . | | 5 |
| 28 | Wireless sensor networks based control system development for water supply infrastructure. , 2014, , . | | 2 |
| 29 | Comparative analysis of boost and quasi-Z-Source Converters as Maximum Power Point Trackers for PV panel integrated converters. , 2014, , . | | 9 |
| 30 | Latvian Practices for Protecting Water and Wastewater Infrastructure. , 2014, , 315-342. | | 1 |
| 31 | Strategy Development Process In Higher Education Institutions. , 2014, , . | | 1 |
| 32 | Establishing regional competence centre for life long learning in electrical engineering. , 2013, , . | | 4 |
| 33 | Design of human tracking robot utilizing pyroelectric sensor and analogue circuitry. , 2013, , . | | 2 |
| 34 | Implementation of mutual recognition and voluntary standardization via Sharing of Expertise in education of electrical engineers. , 2013, , . | | 1 |
| 35 | Power converter for DC bus sharing to increase the energy efficiency in drive systems. , 2013, , . | | 9 |
| 36 | Analysis of high frequency effects in three phase EMI filters. , 2012, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Large-amplitude base-motion compensation of a serial robot using an inertial measurement unit. , 2012, , . | | 1 |
| 38 | The case study of acquisition of transferable skills by electrical engineers. , 2012, , . | | 4 |
| 39 | Increasing the energy efficiency of multi-robot production lines in the automotive industry. , 2012, , . | | 25 |
| 40 | Recuperated energy savings potential and approaches in industrial robotics. , 2011, , . | | 27 |
| 41 | Industrial robot path optimization approach with asynchronous fly-by in joint space. , 2011, , . | | 14 |
| 42 | Information tools for education of electrical engineers. , 2011, , . | | 11 |
| 43 | Energy efficient use of robotics in the automobile industry. , 2011, , . | | 69 |
| 44 | Algorithm for MCDM in Intelligent Braking Diagnostics System of Railway Transport. Lecture Notes in Economics and Mathematical Systems, 2011, , 143-156. | 0.3 | 0 |
| 45 | 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 |
| 46 | Current-fed DC/DC converter for fuel cell applications. , 2010, , . | | 1 |
| 47 | Optimization of the magnetic circuit of the homopolar inductor machine with non-overlapping concentrated windings. , 2010, , . | | 5 |
| 48 | Immune algorithm for intelligent controller in braking system of electric railway transport. , 2010, , . | | 0 |
| 49 | Capacitor divider voltage monitoring by using Field-Programmable Gate Array (FPGA). , 2010, , . | | 0 |
| 50 | Control tool development for energy consumption of private and industrial consumption on district level. , 2010, , . | | 0 |
| 51 | Research-based approach application for electrical engineering education of bachelor program students in Riga Technical University. , 2010, , . | | 13 |
| 52 | Scientific project management course introduction in doctoral studies in Riga Technical University. , 2010, , . | | 1 |
| 53 | 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 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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 |
| 56 | Multipolar double fed induction wind generator with a single phase secondary winding. , 2008, , . | | 0 |
| 57 | Intelligent Electric Vehicle Motion and Crossroad Control. , 2006, , . | | 7 |
| 58 | Intelligent Electric Vehicle Motion and Crossroad Control. , 2006, , . | | 0 |
| 59 | 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 |