

Aggregator coordinated transactive energy trading for microgrids

Crasta, Cletus J. 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 105-106 : ill https://www.ester.ee/record=b5504019*est

Analysis of series partial power converter in transient and steady-state operation modes

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Comparative evaluation of a new flying capacitor-based buck-boost converters for universal application

Hemmati Shahsavari, Tala 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 65-66 : ill https://www.ester.ee/record=b5504019*est

Concept of universal AC/DC-DC EV onboard battery charger with minimal redundancy and high-power density

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Condition monitoring and diagnostic of electrical machines using IoT and machine learning

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Current harmonics sensitivity analysis

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DC grid interface converter based on three-phase isolated matrix topology with phase-shift modulation

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Design and analysis of a DC solid-state circuit breaker for energy router application : [conference paper]

Rahimpour, Saeed 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 63-64 : ill https://www.ester.ee/record=b5504019*est

Design of a unified framework for creating XR experiences for research and academia

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Development of the reconfigurable continuous track robot

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Digital twin development of an EV-permanent magnet synchronous motor as a virtual torque sensor

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The effect of build direction on the thermal conductivity of additively manufactured AIS10Mg and silicon-steel samples : [conference paper]

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The evaluation of substations asset management methods cost-efficiency by using numerical simulations

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Fault diagnosis of additional vibration in Cartesian robot

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High-efficiency quad-mode parallel PV power optimizer for DC microgrids

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Impact of faults and different operating conditions on current parameters in case of broken rotor bars

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Increasing PV hosting capacity in LV distribution networks using congestion control techniques

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Industrial robot training in the simulation using the machine learning agents

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Influence of weather parameters on the corona losses of 330kV Estonia overhead transmission line

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Insulation aging and framework for the development of aging model based on partial discharge analysis

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Li-Ion battery equivalent circuit modelling

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Optimal condition monitoring of high voltage circuit breakers

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Optimal operation of multi-energy microgrids in presence of hydrogen fueling stations and electric vehicle lots

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Overview of battery energy storage systems readiness for digital twin of electric vehicles

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Propulsion drive system data measurement for digital twin test bench validation

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Prototype induction motor core preparation with laser additive manufacturing

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Reliability evaluation of isolated buck-boost DC-DC series resonant converter : [conference paper]

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Rogowski coil : an efficient current measurement sensor for power system applications

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The design process of electrical machines from the standpoint of additive manufacturing

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Thermal network simulation of heat pump aggregated energy flexibility

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A tool for model-order reduction of power systems with high penetration of power electronic devices

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VTOL drone with tandem EDF motor and development of an algorithm for automatic stabilization in hover flight

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