Research output: Scientific - peer-review › Article

Montanari, Gian Carlo; Seri, Paolo; Karttunen, Mikko; Paajanen, Mika; Lahti, Kari; Rytöluoto, Ilkka / Nanocomposite Polypropylene For DC Cables And Capacitors: A New European Project. Proceeding of the 8th international symposium on electrical insulating materials (ISEIM). Vol. 1 Toyahashi City, Japan : International symposium on electrical insulating materials (ISEIM), 2017. p. 433-436.
Research output: Scientific - peer-review › Conference contribution

Da Silva, Daiana Antonio; Filho, José Pissolato; Lahti, Kari / Resistive current waveform as a tool to identify degraded parts of polymeric surge arresters subjected to internal moisture. Proceedings of the 20th international symposium on high voltage engineering. Buenos Aires, Argentina : ISH2017, 2017. 557.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Review Article

Research output: Scientific - peer-review › Review Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article
Schnabel, Julius; Valkealahti, Seppo / Compensation of PV generator output power fluctuations with energy storage systems.
Research output: Scientific - peer-review › Conference contribution

Lappalainen, Kari; Valkealahti, Seppo / Recognition of shading events caused by moving clouds and determination of shadow velocity from solar radiation measurements.
Research output: Scientific - peer-review › Conference contribution

Dehghani, Nemath; Supponen, Antti; Repo, Sami / Risk Assessment of Major Storm Situation in Distribution System.
Research output: Scientific - peer-review › Conference contribution

Hakala, Tomi; Lähdeaho, Tommi; Järventausta, Pertti / Low-Voltage DC Distribution-Utilization Potential in a Large Distribution Network Company.
In: IEEE Transactions on Power Delivery, Vol. 30, No. 4, 01.08.2015, p. 1694-1701.
Research output: Scientific - peer-review › Article

Sitbon, Moshe; Schacham, Shmuel; Suntio, Teuvo; Kuperman, Alon / Improved adaptive input voltage control of a solar array interfacing current mode controlled boost power stage.
Research output: Scientific - peer-review › Article

Lu, Shengye; Repo, Sami; Giustina, Davide Della; Figuerola, Felipe Alvarez Cuevas; Lof, Atte; Pikkarainen, Marko / Real-Time Low Voltage Network Monitoring - ICT Architecture and Field Test Experience.
Research output: Scientific - peer-review › Article

Chen, Tao; Mutanen, Antti; Järventausta, Pertti; Koivisto, Hannu / Change Detection of Electric Customer Behavior Based on AMR measurements.
Research output: Scientific - peer-review › Conference contribution

Mononen, Matti; Saarenpää, Jukka; Kolehmainen, Mikko; Niska, Harri; Rautiainen, Antti / Monetary impact of dynamic pricing and demand response on households: The winners and losers.
Research output: Scientific - peer-review › Conference contribution

Raipala, Ontrei; Repo, Sami; Järventausta, Pertti / A communication based protection system for solving DG related protection challenges.
Research output: Scientific - peer-review › Conference contribution

Krohns-Välimäki, Heidi; Haapanen, Jussi; Aalto, Hanna; Strandén, Janne; Verho, Pekka / Demonstration of the Inter-Organizational Situation Awareness System to Major Disturbances.
Research output: Scientific - peer-review › Conference contribution

Lummi, Kimmo; Trygg, Petri; Rautiainen, Antti; Järventausta, Pertti / Implementation Possibilities of Power-based Distribution Tariff by Using Smart Metering Technology.
Dehghani, Nemath; Supponen, Antti; Repo, Sami / Modelling of simultaneous fault to reliability enhancement in distribution system.
Research output: Scientific - peer-review › Conference contribution

Siddiqui, Bashir; Pakonen, Perti; Verho, Pekka / Novel Sensor Solutions for On-Line PD Monitoring.
Research output: Scientific - peer-review › Conference contribution

Honkapuro, Samuli ; Tuunanen, Jussi; Valtonen, Petri; Partanen, Jarmo; Järventausta, Pertti; Heljo, Juhani; Harsia, Pirkko / Practical Implementation of Demand Response in Finland.
Research output: Scientific - peer-review › Conference contribution

Strandén, Janne; Verho, Pekka; Pakonen, Perti / Reserve Power – Alternative Solution to the Network Investments in Rural Area Networks?
Research output: Scientific - peer-review › Conference contribution

Castro, Luis M.; Acha, Enrique; Fuerte-Esquivel, Claudio R. / A novel VSC-HVDC link model for dynamic power system simulations.
In: Electric Power Systems Research, Vol. 126, 30.05.2015, p. 111-120.
Research output: Scientific - peer-review › Article

Honkapuro, Samuli ; Valtonen, Petri; Tuunanen, Jussi; Partanen, Jarmo; Järventausta, Pertti / Demand Side Management in Open Electricity Markets from Retailer Viewpoint.
Research output: Scientific - peer-review › Conference contribution

Pippola, Juha; Vaalasranta, Ilkka; Marttila, Tuomas; Kiilunen, Janne; Frisk, Laura / Product level accelerated reliability testing of motor drives with input power interruptions.
In: IEEE Transactions on Power Electronics, Vol. 30, No. 5, 01.05.2015, p. 2614-2622.
Research output: Scientific - peer-review › Article

Koivisto, V.; Järventausta, P.; Mäkinen, S.J. / Role of public regulators in demand response business ecosystem - Case New York State electric power market.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Matter, Khaled ; El-Khozondar, Hala; El-Khozondar, Rifa; Suntio, Teuvo / Matlab/Simulink modeling to study the effect of partially shaded condition on photovoltaic array's maximum power point.
Research output: Scientific - peer-review › Article

Lahtinen, Valtteri; Stenvall, Antti; Sirois, Frédéric; Pellikka, Matti / A Finite Element Simulation Tool for Predicting Hysteresis Losses in Superconductors Using an H-Oriented Formulation with Cohomology Basis Functions.
Niska, Harri; Koponen, Pekka; Mutanen, Antti / Evolving Smart Meter Data Driven Model for Short-Term Forecasting of Electric loads.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Liu, Zhaoxi; Wu, Qiuwei; Christensen, Linda; Rautiainen, Antti; Xue, Yusheng / Driving pattern analysis of Nordic region based on National Travel Surveys for electric vehicle integration.
Research output: Scientific - peer-review › Article

Aapro, Aapo; Messo, Tuomas; Suntio, Teuvo / An accurate small-signal model of a three-phase VSI-based photovoltaic inverter with LCL-filter.
Research output: Scientific - peer-review › Conference contribution

Kivimäki, Jyri; Suntio, Teuvo / Appearance of a Drift Problem in Variable-step Perturbative MPPT Algorithms.
Research output: Scientific - peer-review › Conference contribution

Suntio, Teuvo; Kuperman, Alon / Comments on An Efficient Partial Power Processing DC/DC Converter for Distributed PV Architectures.
Research output: Scientific › Article

Krohns-Välimäki, Heidi / Designing Inter-Organizational SA System to Disturbances of Electricity Supply.
Research output: Professional › Working paper

Niittymäki, Minna; Lahti, Kari; Suhonen, Tomi; Metsäjoki, Jarkko / Dielectric Breakdown Strength of Thermally Sprayed Ceramic Coatings : Effects of Different Test Arrangements.
Research output: Scientific - peer-review › Article

Jokipii, Juha; Suntio, Teuvo / Dynamic characteristics of three-phase Z-source-based photovoltaic inverter with asymmetric impedance network.
Research output: Scientific - peer-review › Conference contribution

Aapro, Aapo; Messo, Tuomas; Suntio, Teuvo / Effect of active damping on the output impedance of PV inverter.
IEEE 16th Workshop on Control and Modeling for Power Electronics (COMPEL). 2015.
Research output: Scientific - peer-review › Conference contribution