SO1

10335

Fault Ride Through Of DC Solid State Transformer In Medium Voltage DC Systems

10466

DC short-circuit Behaviour of LVAC Fuses

10467

Impacts of Low Voltage Distribution Grid Resilience Constraintes on AC/DC Converter Sizing

11254

Tubular DC Breaker

10700

Predictive Maintenance On Overhead Medium Voltage Network Using Transient Faults Data

10316

Deep Learning-Based Automatic Detection of Defective Steel Bars in Concrete Poles

SO2

10703

Analysing Electric Vehicle Charging Power Quality in Large-Scale Charging Sites – A Data-Driven Approach

10538

Electric Vehicle Charging Stations and their Impact on Power Quality

10157

Harmonic and Supraharmonic Emissions of Fast Charging Infrastructure – Field Measurements in LV Grids

10202

The Impact of a Bi-directional V2G Electric Vehicle Charging Station to the Frequency Dependent Grid Impedance ($10-150\ kHz$)

11079

Modeling and Simulation of the Impact of a Fast Charging Infrastructure on Harmonic Disturbance Levels

11021

Earthing Design of EV Charging Substations in Fuel Stations
- UK Requirements and Experience

SO3

11176

Partial Discharge Diagnostics on Medium-Voltage Switchgears - Measurement Methods and Benefi ts

10461

Assessment of the impact of Hybrid Distributed Generation / Batteries Energy Storage Systems on DSO Operational Planning

10741

Validating Real LV Feeder Models Using Smart Meter Data: A Practical Experience From Project EDGE

10387

Evaluation of Quota-based Predictive Congestion Management in Active Distribution Networks

11408

Black Start In Distribution Grids Through Solid-State Transformer

10637

Accuracy Analysis of a Sensitivity-Based Distribution System Model for the Centralized Redispatch of Distributed Flexibilities

11351

An Economical Operation Strategy of Multi-Energy Virtual Power Plant in a Distribution Network

10338

Using Local Renewable Energy To Energize a Portion of a LV Grid in Islanded Mode

10883

Coupling Optimal Energy Management and Allocation through Keys of Repartition in Energy Communities

11147

Impact of Charging Stations on Voltage Quality - Island and Grid Operation of Real Installation

11350

Frequency Response Of A Microgrid Under The Infl uence Of Enhanced Spatial And Orientational Smoothing Of Photovoltaic Output

SO4

0725

5G Edge for Power System Applications

10808

Root/Chain of Trust in Complex Energy Distribution Systems

10166

Analysis of Control Algorithms on Different Low-Voltage Grid Clusters

10191

Machine Learning Based Grid Optimization Algorithm for Real-time Applications

11022

Object Detection Algorithms Applied On Low Voltage Grid Equipment

10451

A Standards-Based Engineering Framework for Virtualized Protection, Automation, and Control Systems

10729

Implementation and Test of Frequency Estimation Methods for RoCoF-based Load Switching in Islanded Grids

10744

Improved Method for Earth Fault Location in MV Distribution Networks with Compensated Neutral

Grounding

10877

Performance Of A Digital Distance Protection Relay During Short Circuits In Presence Of A Converter Connected Grid

SO5

11302

Integrated Physical And Probabilistic Modelling Of Low Voltage Cable Temperatures, Stress Cycles, And Damage

10108

A Risk-Based Approach for Development Planning of Radial Distribution Networks

10354

Representing Topology Uncertainty For Distribution Grid Expansion Planning

10360

Consistency Assessment Method of Urban Distribution Network Planning Geospatial Layout Based on Fractal Theory

10575

Decision Support Tool For The Development Of Power Distribution Networks Based On Al Planning

10669

Integration of Environmental and Economical Impacts of Electricity Consumption in an Energy Community Based on Coalition Game.