HVDC Electrical Insulation Performance Based on Charge Activity in Oil-Pressboard Composite Insulation Structures

Use of Sobol Indexes for Efficient Parameter Estimation in a Charge Transport Model

Measurement of Optical Spectrum and Mass Spectrum in Vacuum Surface Flashover for Polymeric Materials

Quantification of the Three-Dimensional Nanoparticle Distribution in Polymer Nanocomposites

Thermal and Electrical Properties of a Novel 3-Element Mixed Insulation Oil for Power Transformers

Characteristics of Micro-Particle Phenomena under Electron Beam Bombardment in Vacuum Pre-Breakdown Processes

AC Dielectric Strength of Synthetic Ester-Based Fe$_3$O$_4$, Al$_2$O$_3$ and SiO$_2$ Nanofluids – Conformity with Normal and Weibull Distributions

Aging Mechanisms of Polymeric Materials under DC Electrical Stress: A New Approach and Similarities to Mechanical Aging

Effect of Chemical Impurities on Charge Injection Barriers at the Interface of Copper and Polyethylene

Study of Treeing in Epoxy-Alumina Nanocomposites Using Electroluminescence

Effect of Material Elasticity on the Longitudinal AC Breakdown Strength of Solid-Solid Interfaces

Surface Functional Graded Spacer for Compact HVDC Gaseous Insulated System

Rejuvenation of Retired Power Cables by Heat Treatment

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Pressure Wave Propagation Method for Space Charge Measurement in Coaxial Geometry