

# The Role of the Accumulated Surface Charge on Nanoparticles in Improving the Breakdown Strength of Liquid and Solid Insulation

*Elsayed Mohamed Tag Eldin, Mohamed E. Ibrahim, Safaa F. Elzoghby, Mohamed A. Izzularab, Amr M. Abd-Elhady*

## Abstract

<https://www.mdpi.com/1996-1073/15/13/4860>

*Energies* 2022, July