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Probabilistic and Time-Series Analysis of the Combined Impact of Electric Vehicles and Photovoltaic Systems on Voltage Profiles in a Real Low-Voltage Distribution Network

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Enabling Effective Consumer Adoption of Local Renewable Energy Systems through Integrating Societal-Readiness Thinking
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MILP-Based Optimal Sizing of a Hybrid Battery-Hydrogen Energy Storage in a Grid-Connected Photovoltaic System

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Integration of High-Frequency and Harmonic Measurements from Open-Source Meters into NILMTK Datasets

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Implementation of 132 kV for inner-array systems in offshore wind farms

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Comparative analysis of inner-array systems in offshore wind farms mixing copper and aluminium raw materials

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Activated Carbon Production from Biomass and its Use in Industrial Effluent Treatment

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Inverter-Based Power Flow Control of a Small-Scale Grid-Connected Doubly-Fed Induction Generator in Wind Energy Conversion Systems Under Variable Wind Speed Conditions

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The Integration of a Photovoltaic/Thermal System into a District Heating System

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Economic Viability of Photovoltaic and Battery Storage Systems for Residential Electric Vehicle Charging in Slovenia

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Receding Horizon Optimization of Residential Photovoltaic and Battery Storage Systems using Differential Evolution

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Stand-Alone Solar Systems: an Educational Platform for Undergraduate and Graduate students

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ANN and MRAS based Speed Observer for Sensorless Control of Induction Motor Drive

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Grid Resilience under high shares of Non-Synchronous Generation: Insights from the 2025 Iberian Peninsula Blackout

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Control of an Islanded PV–Battery–PEM Electrolyzer Microgrid for

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Optimal Sizing of Photovoltaic System and Battery Storage in Self-Consumption Applications under Contemporary Regulatory Conditions

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Where to Run the EMS Planner: Practical Cloud–Edge Placement for Two-Level Hierarchical EMS in Microgrids

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Thermal Aging Assessment of Photovoltaic Cable Insulation Using XRF Spectroscopy

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Laboratory Test Facility for Real-Time Thermal Rating Validation of Insulated Power Cables

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Making the traditional Home Smart

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Assessment of the Guaranteed Origin of Electricity Used for Green Hydrogen Production in an Integrated Energy System

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The application of orthogonal vector theory to optimize the coordination between a 3-level inverter and a 2-level inverter

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Role of External Grid Representations in Frequency Stability Studies of Power Systems with High Non-Synchronous Generation

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System Rigidity: A Comprehensive Approach to Enhancing Power System Stability

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Enhanced Power Control for Voltage Support Strategy and Virtual Inertia Emulation for Distributed Battery Energy Storage System

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Current Control Capability of the AC/DC Converter

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