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List of Best Papers

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1	1101	Development and Comparative Performance Evaluation of Capacitor- and Inductor-Based Active Balancing Circuits for Lithium-Ion Battery Packs
2	190	A Short-Term Solar PV Power Forecasting Using a MODWPT-Based Transformer Encoder with Bayesian Optimization
3	1082	Confocal-Ellipse-Based Moving-Target Defense for Secure PMU Data Telemetry
4	708	A Price Differentiated Peer-to-peer Energy Trading With Blockchain Settlement Layer
5	157	Fast Adaptive Meta-Learning Control of 3P4W Microgrid Enabling Power Quality Enhancement for EV Charging Infrastructure
6	859	False Trip Mitigation in PV-Integrated LVDC Microgrids via Wavelet-Based Disturbance Analysis
7	213	Energy Management of Hybrid Renewable Energy Resources with Hybrid Storage
8	981	Stability Analysis of a Nonideal Fifth-Order Quasi Z Source DC-DC Converter for EV Chargers
9	274	Grid -Connected Seamless Transition Control of Wind-Battery Based Microgrid Under Changeable Weather Condition
10	148	Energy-Based Faulty Section Identification In An Active Distribution Network
11	268	LMP-Based Loss Allocation with Fairness Assessment
12	826	DC Distance Protection Scheme for ST Based Multi-Terminal MVdc Network
13	131	Advanced Bus-Clamping SVM Strategy in a 3-phase Quasi-ZSI for Switching Loss Reduction

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14	302	Impact of Thermal Induced Resonant Frequency Shift on Resonant Inverters
15	550	Deep Neural Network Based Machine Side Converter Control of Grid Connected PMSG Based Wind Energy Conversion System
16	345	Extended MTPA-based Control Strategy for Energy-Efficient Squirrel-Cage Induction Motor in Electric Vehicles
17	889	Performance Evaluation of a Single-Core Double-Sided Linear Induction Motor for Hyperloop Propulsion
18	908	Physics-Encoded Neural Networks for Enhanced Li-Ion EV Battery Prognostics with EMA Rectification
19	233	Variable Speed Operation of Induction Motor under Pumping Load – Technical and Economic Considerations
20	855	Cloud-Aware Anomaly Detection in Distributed PV Systems Using Spatiotemporal Analysis
21	325	Benchmarking Deep Convolutional Architectures for Real-Time AI-Powered Seatbelt Detection via Automated ROI Extraction
22	673	Grid Fault Emulator for Digital Twin Validation
23	965	Attack-Aware Multi-Channel Transformer for Hierarchical Electricity Theft Detection
24	672	Resilience Enhancement of Power Distribution Networks by Deploying Mobile Resources
25	596	Virtual Synchronous Generator Control of a Self-Excited Induction Generator Based Converter for Islanded Microgrid Applications
26	1097	A Novel Challenge Residue Based Handshake-Free Authentication Scheme for IEC61850 SV Messages
27	814	Enhancing Power Quality in Edge-of-Grid Systems Using SAPF with SOGI-ROGI-FLL Based Control
28	622	Characteristic analysis of Lead-free Tandem Solar cell: Integrating Vacancy-Ordered Double Perovskites Rb ₂ SiBr ₆ and Cs ₂ Tel ₆ All Inorganic absorbers

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30	102	Minimizing Reactive Power Sharing Error in Islanded Microgrids via SADRL-TD3 Adaptive Hybrid Droop Control
31	328	Impact of EV Charging Stations on Actual Distribution System
32	587	An Equivalent Modeling Approach for Inverter Air Conditioners in Frequency Regulation Applications
33	685	Development of GUI for Prognostic Analysis of Proton Exchange Membrane Fuel Cells
34	873	Disturbance Observer-based Full-Order Terminal Sliding Mode Load Frequency Control of RES Integrated Power System
35	998	MPC-Based Voltage Regulation in Active Distribution Networks Under Photovoltaic Uncertainty and False Data Injection Attacks
36	1040	Dissipative and Bounded Flux-Controlled Memristive HR Neuron Dynamics with Chaotic and Multistability Behaviours
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